### TOSHIBA

### SERVICE MANUAL

VIDEO CASSETTE RECORDER V-730EF, V-610EF, V-510EF V-430EF, V-230EF, V-220EF V-730UK, V-720UK, V-710UK V-430UK, V-230UK, V-220UK, *V-210UK* V-740EG, V-730EG, V-430EG V-230EG, V-210EG V-720W, V-710W, V-420W V-410W, V-220W, V-210W

### **CONTENTS**

- 1. Precautions
- 2. Reference Information
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- 4. Disassembly and Reassembly
- 5. Alignment and Adjustment
- 6. Exploded View
- 7. Replacement Parts List
- 8. Block Diagram
- 9. PCB Diagrams
- 10. Schematic Diagrams

### 1. Precautions

- 1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.
- 2. When reinstalling the chassis and its assemblies, be sure to restore all pretective devices, including : control knobs and compartment covers.
- 3. Make sure that there are no cabinet openings through which people--particularly children --might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (See Fig. 1-1):
Warning: Do not use an isolation transformer during this test. Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

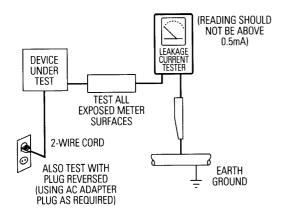


Fig. 1-1 AC Leakage Test

5. With the unit completely reassembled, plug the AC line cord directly the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known erath ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

### 6. Antenna Cold Check:

With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong.

Connect the other lead to the coaxial connector.

- 7. Some semiconductor ("solid state") devices are easily damaged by static electricity.

  Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.
- 8. Immediately before handling sny semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging Wrist-strap device. (Be sure to remove it prior to applying power--this is an electric shock precaution.)
- 9. Design Alteration Warning: Never alter or add to the mechanical or electrical design of this unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.
- 10. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

- 11. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.
- 12. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

### 13. Product Safety Notice:

Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original--even if the replacement is rated for higher voltage, wattage, etc.

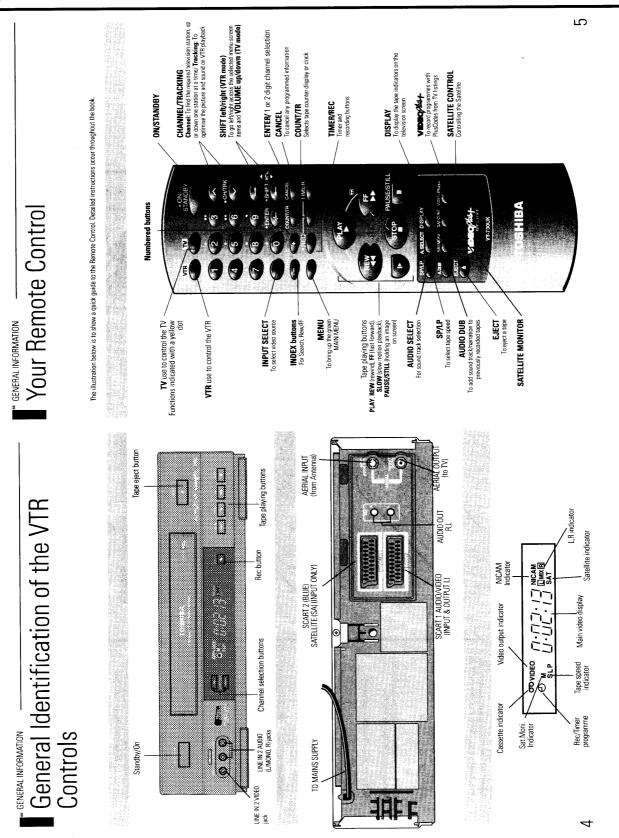
Components that are critical for safety are indicated in the circuit diagram by shading,  $( \bigwedge$  or  $\bigwedge$ ).

Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

1-2 Toshiba

### 2. Reference Information

### **2-1 Operation of Controls**



GENERAL INFORMATION

# Preparing your Remote Control

The Remate Control handset is needed to operate your new Toshiba wideo recorder. If used correctly, it should give years of trouble-free viewing. Please take good care of it, always observing the correct polarities when replacing the batteries.

When first connected to the mains electricity supply the VTR will automatically search and store TV stations in memory and also set the clock. But remember, you must connect the Aerial before connecting the VTR to the power supply.

Connecting the Leads and Auto

GETTING STARTED

Set Up

Connect the Aerial Cable to the VTR (Aerial Input).

Satellite users: Refer to section SATELLITE CONTROL

starting on page 26.

Connect another Aerial Cable from the VTR (Aerial Output) to the TV.

2

DO NOT PLUG THE VTR INTO THE MAINS UNTIL AFTER YOU HAVE CONNECTED THE AFRIAL CABLE

Carefully open the battery compartment on the rear of the Remote Control by sliding in the direction of the

Insert both batteries taking care to observe the correct polarity (+ and - ).

The 2 Toshiba batteries supplied are Cadmium- and Mercury-free (UM-4, AAA, IECR03, 1.5v).

Replace the cover of the battery compartment.

If you have connected with a SCART Lead you will see various television stations appear and disappear on your television.

Now turn the page to continue the Auto Set Up.

The display on the VTR will flash 'AUTO' for about

Now turn on the television.

Ω

Aerial Cable

SCART Lead

Connect the VTR to the power supply with the Power Cable.

4

Power Cable

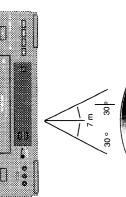
Connect a SCART Lead from the VTR to the TV as shown. Connecting via a SCART Lead will give better picture and sound quality, it will also enable the television to automatically switch over whenever a tape is

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DO NOT throw your batteries into a fine. Dispose of your batteries in a designated disposal area. DO NOT mix an old battery with a new one. DO NOT mix battery types.

For optimum performance your Remote Control will operate within a distance of 7 metres and up to  $30^\circ$  from the central position.

If the Remote Control does not work, press the VTR outton and make sure the batteries are in good



SCART IN/OUT

SATELLITE

Aerial Cable

If you get any problems contact the helpline...

NOTE: WHERE POSSIBLE, ALWAYS CONNECT USING A SCART LEAD FOR IMPROVED SOUND AND PICTURE OUALITY.

9

Toshiba

GETTING STARTED

After connecting the Leads as on page 7 and Auto Set Up has run, one of the following screens will be displayed. If not, select the AV channel on the television manually if you have not connected the VTR using a SCART Lead select the channel on the TV that you normally watch videos on and tune this channel until you find one of these screens. Store this channel and select it every time you watch a video.

It is important that you check Auto Set Up has stored the channels in the correct order on the VTR for the operation of

VEDEO/Alst

Checking the Auto Set Up

GETTING STARTED

the right hand column may be different. This screen will be displayed if

Press the MENU button twice on the Remote Control to automatically set the clock.

Auto Set Up is now complete.

AUTOSE UP BBC1 1 22 BBC2 2 28 ITV 3 2 25 CH4 4 3 2 CH4 4 3 2 CH4 4 3 2 CS 5 30 Auto Set Up Now Completed Automatically Set Clock

Programme position number

Turn on the TV and select the channel on

which you watch videos Now turn on the VTR.

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Using the **CH/TRK** P \( \text{D}\) buttons on the Remote Control, check that the order of the TV stations (the programme position number)

stored on the VTR is as follows:

So to page 9, Checking the Auto Set Up

This screen will be displayed if Some Channels Found. 2

squares. They may be stored in positions 7 The VTR has been unable to find the

Press the MENU button and refer to Channel Swapping on page 10.

This screen will be displayed if No Channels Found.

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If no channels are found the clock will not set

Press the MENU button and select CLOCK SET from the

green MAIN MENU screen.

Using the number buttons on the Remote Control set

correctly and press the number button 0 on the Remote Control. The VTR has been unable to find any channels. Check that the Aerial is connected

**ਲ**!!!!|

If no channels are found a second time, see page 12, Manual Tuning.

AUTO SET UP



...If you get any problems contact the helpline

Once the Date and Time have been set press the MENU button to exit.

E.g. for April, which is 4, press 0.4. For single numbers press 0 first.

The programme position number will change as you press the CH/TRK P Q buttons.

PBC1 BBC1 BBC2 ITV Channel 4 Channel 5\* Satellite

Program Positio

(if you use a different order VIDEO Mast will not work) Any other stations will be stored in program positions

Page 10. If Channel 5 has not been stored and all other channels have been it \*Channel 5 is only available in some areas of the country (and the reception stored in 7 or above and use the Channel Swapping function as detailed on may be poor). If Channel 5 is not stored in position 5 check to see if it is is likely that channel 5 is not available in your area.

### THE SET UP IS NOW COMPLETE

If your preferred regional broadcast is stored in position 7 or above please use the Channel Swapping facility as described on page 10.

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MAKE RECORDINGS.
Refer to the BASIC OPERATION section which starts You are now ready to PLAYBACK TAPES and on page 14.

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Toshiba

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### GETTING STARTED

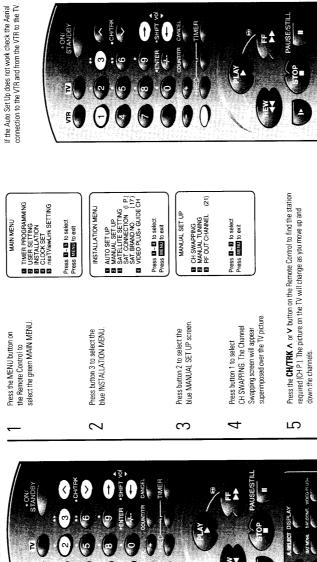
## Channel Swapping

You only need to use this section if the VTR did not tune in all of the stations in Auto Set Up or if you want to select a different regional Broadcast on a channel position.

If you ever need to re-run the Auto Set Up process, for example, if you move house, carry out the connections as detailed on page 7 and re-start as described here.

Restarting Auto Set Up

GETTING STARTED



EL AUTO SET UP
BE MANUAL SET UP
EL SATELLITE SETTING
SAT. CONNECTION (1P.)
SAT. BRAND NO. (77)
EL VIDEO PLUS+ GUIDE CH II TIMER PROGRAMMING
II USER SETTING
II INSTALLATION
II CLOCK SET
III next View Link SETTING ...If you get any problems contact the helpline Refer to page 8 and follow the relevant steps for the screen displayed, depending upon the result. Press the MENU button on the Remote Control to display the green MAIN MENU on the screen. Press SHIFT - to start AUTO SET UP. Press button 1 to select AUTO SET UP. The AUTO SET UP screen comes up. Press button 3 to select the blue INSTALLATION MENU. 4 വ 2 က

CH P. v/n to find station Select NEWCH P. press D - E. Press SHIFT to swap Press MENU to exit

NEW CH P.

E.g. If you were to find Channel 5 stored in position 7: Select the new channel

9

position (NEW CH P.) using

the number buttons on the Remote Control, e.g. for 5

CH SWAPPING

The station now displayed has been saved in the channel position indicated

Press SHIFT - to swap the channels

press number buttons 0 and 5.

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Continue for all the other channels to be swapped. When all the missing stations have been found press the MENU button to exit and see page 9. Checking the Auto Set Up.

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88C2 54₹ 554

Press 1 ~ 4 to select Press MENU to exit

INSTALLATION MENU

Press T ~ 5 to select Press MENU to exit

MAIN MENU

Press SHIFT to search Press MENU to exit

1

SETTING STARTED

### Manual Tuning and Cable TV Installation

Manual Tuning is available as a back-up if Auto Set Up does not work due to poor Broadcast Reception. When using Manual Tuning you will need to use the information on both of the TV screen and the VTR front display panel.

Note: Some Cable systems send all their TV and Satellite programmes on one channel only.
If you have this type of system you should tune in one Position number on the video and then use the Cable Box to select the chosen channel to record.

Position number 1 BBC1: BBC2: ITV: CHANNEL 4: CHANNEL 5: Satellite/Cable:

Position number 2 Position number 3

Position number 4
Position number 5
Position number 6

SHIFT VO () § ()

exit. Channel Tuning is now complete and you can Press the MENU button on the Remote Control to select a television programme by the position വ

The 'Range' option has no function in the UK.

Additional RF Tuning Information

In some areas of the country you may experience interference from other broadcast stations or from other AV equipment. This may be reduced or eliminated by choosing to turn OFF the RF output from your VTR.

If a SCART Lead has been used as detailed in the GETTING STARTED section and you are experiencing problems with interference from other equipment or channels, you can turn OFF the RF output:



B AUTO SET UP
B MANUAL SET UP
B SATELITE SETTING
SAT CONNECTION (IP.)
SATI BRAND NO. (17.)
B VIDEO PLUS+ GUIDE CH Press IN - In to select Press MENU to exit

E CH SWAPPING
MANUAL TUNING
B RF OUT CHANNEL MANUAL SET UP

Press the MENU button on the Remote Control to display the green MAIN MENU

Press number button 3 to select the blue INSTALLATION MENU Press button 2 to select MANUAL SET UP.

Press button 3 to select RF OUT CHANNEL 4

CH SWAPPING MANUAL TUNING RF OUT CHANNEL (OFF)

MANUAL SET UP

Press SHIFT to change the channel number Press Manu to exit

Press SHIFT → or ←-until OFF appears in the RF OUT CHANNEL option 2

Press MENU to exit. 9

If you still believe you are having interference problems, consult your dealer or ring the Toshiba Helpline.

INSTALLATION MENU II TIMER PROGRAMMING
II USER SETTING
II INSTALLATION
II CLOCK SET
II nexTViewLink SETTING

0

PR. = Programme Position number on the VTR

Press the MENU button on the Remote Control to display the green MAIN MENU.

Press number button 3 to select the blue

2

INSTALLATION screen.

Press ■~B to select Press MENU to exit

When the correct TV signal is showing repeat step 3 for the other TV stations and for the Satellite stations if your Satellite receiver is not connected by

4

Press the SHIFT → or ← to highlight the program position you wish to tune, then press the CH/TRK wish to store. The TV will display the programme as

A v repeatedly until you find the channel you

Press number button 2 to select the blue MANUAL SET UP screen and then 2 again for MANUAL

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Note: The VTR must display a position number before tuning in can start. Remove any tape and if L1, L2 or SA is displayed press the INPUT SELECT button on the Remote Control so that a position number is displayed.

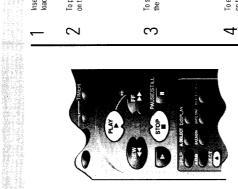
<u>H5</u> ⇔ X ⇔ <u>17</u>

2-5

### BASIC OPERATION

# Watching a Pre-Recorded Tape

If you insert a commercially pre-recorded tape, it will automatically start to play, If you have not used a SCART tead you will first need to select the chamel on the television that you watch videos on (refer to Additional RF Tuning Information on page 13). The VTR is fitted with an autohead cleaner which automatically cleans the video heads during playdack.



Insert a tape with the clear window facing upwards. The 'video cassette loaded' z symbol will appear on the VTR front display.

To play the tape, press the PLAY button on the Remote Control.



To stop the tape press the STOP button on the Remote Control.

To eject a tape press the EJECT button on the Remote Control.

To play the tape, press the PLAY button on the front of the VTB.

To stop the tape press the STOP button.

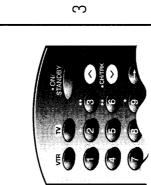
0

BASIC OPERATION

As each VTR is different, slight adjustments need to be made in the way the tape is read. This is called 'Tracking'

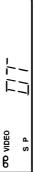
### possible picture and sound; Digital Auto Tracking. The DT (Digital Tracking) indicator will flash while this automatically adjusts the Tracking to obtain the best adjustment takes place and the playback picture and sound may be distorted. The VTR will automatically adjust the Tracking as best it can. When playback starts the video recorder

If you playback rented tapes or tapes recorded on other machines, you may occasionally find that the Digital Autor Tacking is not able to improve the picture sufficiently. In these instances you will need to adjust the Iracking manually.



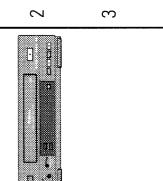
To manually adjust Tracking

With a tape in and playing, hold down either the **CH/TRK A** or **V** button on the Remote Control until the best possible picture and sound is obtained. To resume Automatic Digital Tracking, press the two **CH/TRK** buttons on the Remote Control. 2



If the tape is old or worn, it may be impossible to improve the picture

If you press the PAUSE/STILL button the image may shimmer. This may also be reduced by adjusting the Tracking.



To eject the tape press the EJECT button.

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2-6 Toshiba

BASIC OPERATION

# Variable Speed Playback

When viewing a tape it can be played at various speeds. This is called Picture Search.

As well as normal playback, you can view a tape at various speeds.

When watching a tape, you can look for a particular scene by pressing either the FF or REW button or view the tape in slow playback using the SLOW button. In deteriorate. If you view a tape recorded in Long Play (LP) mode, or recorded on another VTR, the picture quality may be poor or even in black and white. Picture Search, the quality of the image may

Improvements can sometimes be made by adjusting the Tracking, see page 15.

## Picture Search enables you to Fast Forward or Rewind and look for a particular part of a tape.

Press PLAY, the VTR will enter normal play mode. While in play, press and release the FF (or REW) button. The VTR will search at 5 times the normal playback speed.

To return to normal playback mode, press the PLAY button

3 2

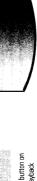
If you press and HOLD down the FF (or REW) button the VTR will search at 9 times the normal speed. Releasing the FF button will return the VTR to search at 5 times the normal speed. To return to normal playback mode, press the PLAY button. While in Picture Search mode, if you press the FF button again, the VTR will enter normal Fast Forward mode.

4

Likewise, while in Picture Search REW mode, if you press the REW button again, the VTR will enter normal Rewind mode If, when Rewinding (REW) or Fast Forwarding (FF), you press the REW (or FF) button, the VTR will enter the Picture Search mode.

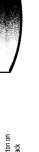
if you press the SLOW button once again, the playback will slow down to 1/12th To view a tape in Slow Motion, when in PLAY, press and release the SLOW button on the Remote Control. The playback will slow down to  $\gamma_6$ th of normal

Press PLAY to resume normal playback



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When in PLAY mode press the FF (Fast Forward) or REW (Rewind) button on the front of the VTR. The VTR will search at 5 times the normal playback speed. If you press and HOLD down the FF (or REW) button the VTR will search at 9 times the normal speed. If you release the button, the VTR will enter normal Fast Forward/



Trick Play Functions BASIC OPERATION

Holding images and advancing frames on the screen.

When in PLAY, if you want to hold an image on screen, simply press the

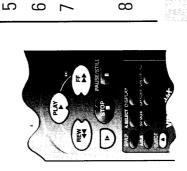
PAUSE/STILL button.

To advance one frame at a time, press and release the PLAY button. This will freeze the frame for about 5 minutes. 2

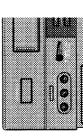
To resume PLAY, press the PAUSE/STILL button again က

Press and hold the PLAY button

Note: If left unattended for about 5 minutes in the Picture Still mode, the Freeze Frame will cancel and the VTR will revert to PLAY **Note:** Fast moving images may shimmer when Freeze Frame is selected. This can sometimes be reduced by adjusting the Tracking, see page 15.



When in Picture Search or Slow Motion, the quality of the image may deteriorate.



Rewind speed.
To return to normal playback, press PLAY.

RECORDING

VIDEO/2004—is the easiest way to record TV programmes, using short numerical codes. The PlusCode programming numbers shown in most TV listings pages, tell the video recorder when to start and stop recording a particular programme. These numbers appear after the programme description.

Videoplus+ and Pluscode are trademarks of GEMSTAR development corp. Videoplus+ system i

nanufactured under license from GEMSTAR development corporation

Before you begin: Turn on the VTR and Ensure the clock is set correctly.

been stored correctly on the VTR as in Make sure that the TV stations have the order shown on page 12.

button on the Remote Control. Press the VIDEO Plus+

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0 4 6

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Press CANGEL to cancel Enter PLUSCODE and views video videos PLUSCODE Enter the PlusCode, using the number buttons button to confirm. If you make a mistake, simply press the CANCEL button and re-enter numbers correctly and press the VIDEO Plus+ programme with a PlusCode of 1234, press 1234. Check that you have entered the on the Remote control. E.g. to record a TV

PLUSCODE (1234 Press MENU oexit You are now prompted to confirm how many

Select rec frequency

ONCE

DAILY (MO ~ FR)

WEEKLY Press II. It is select Press CANCEL Proel Press Menu to exit

times you want to record this event -i.e. ONCE, DAILY or WEEKLY,

4

e.g. ONCE, Press 1.

The TV will now confirm the programme

2

that relates to the PlusCodes

14:39 11.11. '99 TH CH DATE ON OFF SPO SA ONCE 18 17:00 - 17:30 PC SP e.g. PDC ON/OFF\* and the tape speed: 1 for SP (Standard Play) entered, along with the recording defaults,

or 2 for LP (Long Play).

Press T. 6 to select Press TIMER record

If you wish to change the speed use SHIFT

— and move to SPD, then press 1 for short play or 2 for long play.

VIDEO/244 recording press the VIDEO Plus+ button again and repeat steps 3 to 4. if you wish to enter another

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If OK, press the two TIMER buttons at the same time. The TIMER indicator on the front panel of the VTR will light up.

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+PDC WARNING PLEASE NOTE:
If you have selected PDC ON (see page 23) do not change the advertised start time of the programmes or the video will not record.

To cancel the Timer, press the two Timer buttons again, then the ON/STANDBY button

# One Touch Record - Advanced OTR

Recording the selected video channel at the touch of a button

One Touch Recording enables you to record what is currently showing and set the off timer for up to 4 hours in advance.



the desired channel number using the CH/TRK A v buttons on the Turn on the VTR and select Remote Control.

() § ()

Insert a video tape.

2 8

To record what is currently showing, simply press the two REC buttons on the Remote

A red dot will be displayed below the video cassette loaded' symbol.

00

This will set the VTR to record until either the STOP button is pressed or the end of the tape is reached.

8

Turn on the TV and select the video channel. Advanced OTR starts recording simply at the Turn on the VTR and select the desired channel number using the channel buttons on the front of the VTR.

When using Advanced OTR the VTR will count the time from the hour and 1/2 past the hour. If you press the REC button at 14:15 - the 1st off time shown will be 14:30, pressing the REC button

touch of a button.

again will set an off time of 15:00.

g

symbol on the front of the VTR.

2

Insert a video tape. Press the REC button. A red symbol will be displayed below the 'video cassette loaded' The VTR will continue to record until the STOP button is pressed or the tape runs out

S

8

the VTR you can set the VTR to record for a By repeadtedly pressing the REC button on preset time. The VTR display will show the time that the recording will stop and a red timer symbol will appear.

One more Twice Three times Four times Five times Six times Seven times Eight times Nine times

delay the the stop time) press the REC button on the VTR repeatedly to extend in 30 f you wish to skip a scene or adverts, simply press the PAUSE/STILL button. This To STOP an OTR, simply press the STOP button. To extend the recording time ( will pause the recording. To start the recording again, simply press the

NOTE: Advanced OTR only works with the REC button on the PAUSE/STILL button again. front of the VTR.

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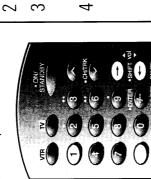
RECORDING

# Using On-Screen Programming

Before recording a television broadcast, the clock, date and year must be correct. By setting the "ADJUST CLOCK" on, see page 24, the VTR will check and correct the clock each morning at 8am provided the VTR is in Standby.

Note: Use the SHIFT — or — buttons on the Remote Control to the move the cursor forwards or backwards. If you make a mistake, simply press the SHIFT — button to move back and re-enter the number.

Timer recordings can easily be made using the On-Screen Programming function. Up to 6 timed events can be set for up to one month in advance.



position 1, there are 6) using the numbered buttons on the Remote Control, e.g. Button i Select the first available event (usually Press number 1 to select the blue TIMER PROGRAMMING screen. for position 1.

Press 1. - 5 to select Press MENU to exit

press the INPUT SELECT button on the Remote screen. Select the channel position number buttons. If you want to record from L or SA, Control (see page 4 for appropriate Input): Follow the prompts at the bottom of the e.g. 01 for Channel 1 using the number L1 = SCART; L2= F/AV.

Press L-6 to select Press MENU to exit 15:31 CH DATE Confirm how many times you

OFF SPD

22. 6. ON

22. 6. J 15:31 CH DATE

want to record this event, i.e. ONCE, DAILY, or WEEKLY. Press 1,

 $\Box$ 

2 or 3 accordingly. Confirm the

00 TH 0FF SPD

can record up to 1 month in advance. All you need to do is simply put in the date Set the date you want the recording to take place, e.g. 29 for the 29th. The VTR (NOT the month) and the VTR will store the information.

9

1 1 ove 29 15:30 ~ 20:20 oc. sp. 20 15:30 oc. sp. 20:30 oc. sp. 20: Press 1 - 5 to select Press TIMER to record time, using the number buttons on the Remote Select Programme Delivery Control (PDC\*) ON 2 for LP (Long Play). Repeat for all remaining Set the recording START time and FINISH Control. E.g. START 1 9 3 0 FINISH 2 0 2 0. timed recordings that you wish to make. or OFF: number button 1 for ON, Select the desired tape speed 1 for SP (Standard Play) or 2 for OFF - see page 23.

> To cancel any programmed information, select TIMER with the event number highlighted e.g. 1, press the CANCEL button to clear the programmed information. PROGRAMMING from the green MAIN MENU and.

22. 6. '00 TH ON OFF SPD

15:31 CH DATE

/

simply press the 2 TIMER buttons again.

Don't forget to put it back in Timer mode, or it will not make a recording. Remote Control at the same time. The VTR switches to 'Timer On' mode. If you wish to turn the Timer off for any reason Press BOTH THE TIMER buttons on the

 $\infty$ 

\*PDC WARMING PLEASE NOTE.
If you have selected PDC *ON*(see page 23) do not change the advertised start time of the programmes or the video will not

000

**Note:** Ensure you connect the VTR to the television using a SCART Lead.

Jser Settings – Tape Select and RECORDING

Presetting the video to your chosen recording defaults using the USER SETTING screen from the green MAIN MENU.

The USER SETTING screen has 2 displays.

By pressing **SHIFT** → whilst on the USEA SETTING **1/2** screen you will progress to the USEA SETTING **2/2** screen. Pess **SHIFT** ← and you will go back to USEA SETTING screen

E TIMER PROGRAMMING
E USER SETTING
E INSTALLATION
E CLOCK SET
E nexTViewLink SETTING

MAIN MENU

Press the MENU button to display the green

D TIMER PROGRAMMING
D USER SETTING
E INSTALLATION
C CLOCK SET
E REXTVIEWLINK SETTING

■ TAPE SELECT (€180)
■ ECO. MODE (OFF)
■ NTSC ON PAL TV (ON)
■ video Pluse Extend (OFF)
■ COLOUR Press 🖪 - 🖪 to change Press SHIFT to next Press MENU to exit USER SETTING

Press 11 - 15 to select Press MENU to exit

picture and sound. For the VTR to able to calculate you must first tell it what length of If you wish to use the tape counter to display the time remaining on a cassette, you must indicate the type of cassette inserted. Standard Play gives a better quality

Note: If you suffer a power failure the settings will need to be reset.

OR SPD

22. 6. Ov. 6.

15:31 CH DATE

Press the MENU button on the Remote Control to display the green MAIN MENU.

Press number button 2 to select the

USER SETTING 1/2 screen Press number button 1 2

 $^{\circ}$ 

(E180), (E240), (E260) and (E300) repeatedly to select between

■ TAPE SELECT (E260)

USER SETTING 1/2

4

Having selected the length of tape that is in the VTR, press the MENU button twice to exit. ECO MODE is useful if you already have a clock display e.g. on another Set Top Box, to save energy and for security. Without the clock display, the VIR is more difficult to spot

In normal Standby mode the display on the front of the VTR shows clock. When ECO MODE is on this light turns red.

Press the MENU button on the Remote Control to

Press number button 2 to select the USER SETTING 1/2 screen display the green MAIN MENU

Press button 2 to turn ECO MODE ON. Now, when the VTR is in Standby mode

8

USER SETTING 1/2

Even the clock disappears. By pressing the Standby button again on the Z ECO MODE Remote Control the display panel will reappear the front display panel will shut off.

Press MENU to exit.

4

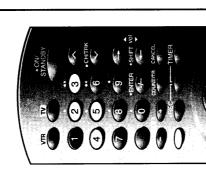
21

20

2-9

### VIDEO MARE EXTEND and Colour NTSC on PAL TV,

Note: If you suffer a power failure the settings will need to be reset.



NTSC is the television standard used in many parts of the world

See page 25 NTSC Playback.

Press the MENU button on the Remote Control to display the green MAIN MENU.

Press number button 2 to select the blue USER SETTING screen. 2 8

Press number button 3 repeatedly to select between 0N or 0FF.

USER SETTING 1/2

INTSC ON PAL TV (ON)

VEREQUES. EXTEND allowing you to extend the recording time by up to 60 minutes. If PDC is set to ON, this VEDEQUES\_EXTEND is ignored. To prevent delays or over-runs the VTR has a function called

As steps 1-2 above and press button 4 repeatedly to set the VIDEO PLUS+ EXTEND

time by increments of 10 minutes.

■ VIDEO PLUS+ EXTEND (OFF) USER SETTING 1/2

> To turn off, press 4 repeatedly until OFF shows. 2

To view video tapes in Colour the COLOUR option must be set to ON. However, when viewing black and white tapes you may find that by choosing OFF the picture is improved.

Press the MENU button on the Remote Control to display the green MAIN MENU.

Press number button 2 to select the blue USER SETTING screen. 2

Press number button 5 to select between 0N or 0FF. က

Ω O

E COLOUR

USER SETTING 1/2

 SED BACKGROUND(OFF)
 PDC DEFAULT (OFF)
 ADJUST CLOCK (ON)
 If 16:9
 If (OFF)
 If (OFF)
 If (OFF) \*No.

\* II ~ II to change

\* SHIFT to previous USER SETTING 2/2

Press number button 2 to select USER

Press the MENU button on the Remote Control to display the green MAIN MENU.

Press number button 2 to select ON in PDC DEFAULT option.

Press MENU to exit.

OSD Background and PDC

The Blue Background feature will automatically display a blue screen when a blank tape is played, no broadcast signal is received or there is no signal from the selected source, e.g. camcorder is connected but not switched on.

Press the MENU button on the Remote Control to display the green MAIN MENU.

USER SETTING 2/2

Press number button 2 to select the USER SETTING 1/2 screen. 2

B PDC DEFAULT (OFF)
B ADUST CLOCK (ON)
B ADUST CLOCK (ON)
B (OFF)
NICAM (OFF)

ress 🖫 - 🖪 to change ress surr

SETTING 2/2 screen. Press the number button 1 to turn OSD BACKGROUND ON. Press the SHIFT - to go to USER  $\mathfrak{C}$ 

4

Press MENU twice to exit.

starts. Typically, when you want to record a programme you will tell the VTR to start recording, probably, five minutes before the advertised starting time of the programme schedule is changed from that advertised, you may miss the desired programme which Programme Delivery Control is a system of telling the VTR when a programme actually and to finish ten minutes or so after the programme is due to finish. So even if the programme starts early or finishes late you will normally still get to see what you wanted to record. However when live programmes over-run or the day's television

> recording has been made the programme will remain in the VTR's memory. If you fail to set the VTR back to Timer Mode Timer Mode. If you set the VTR back to Standby before the

PDC only works when the VTR is programmed and in the

recording, press the MENU button on the Remote Control, choose 1, TIMER PROGRAMMING, select the programme and press the CANCEL button. the PDC recording will remain until you cancel/clear the

may have been delayed or even cancelled. With PDC the VTR will wait until the signal is sent to confirm the programme is starting and the VTB will record the programme even if it is two or more, hours late.

Press SHIFT -- to proceed on to the USER SETTING screen 2/2. SETTING 1/2. 2  $\mathcal{C}$ 

4

2

23

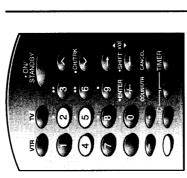
Z

### Adjust Clock, nexTViewLink **Jser Settings** continued

You can preset the video to your chosen recording defaults by using the USEA SETTING screens from the green MAIN MENU. ONLY USE THESE OPTIONS IF YOU HAVE A nexTViewLink TELEVISION.

The VTR automatically adjust the image to fill the wide TV screen when you play back a tape commercially available which is recorded in the wide screen format, or when you record or play back a wide TV programme via the connected satellite receiver, etc.

16:9 (Wide Screen Compatibility



to select the green MAIN MENU. Press button 5 to select the nexTViewLink SETTING screen. Press the MENU button on the remote control Press number button 1 to select TV CH က

Note: Ensure you connect the VTR to the televisin using a SCART Leed.

### nexTViewLink:

Having done this, you can then send instructions directly from Electronic Programming Guide (EPG) will enable you to utilise **nexTViewLink**. However, before you can use nexTViewLink you must set the VTR to receive information from a nexTViewLink TV. In the future, new types of Teletext may be available. This TV CH P.DOWN LOAD', the first option will enable you to download the channel order that is stored on your TV. the nexTViewLink pages

THESE OPTIONS ONLY WORK WITH A nexTViewLink TELEVISION.

2

Press the MENU button to exit TV CH  $\mathcal{C}$ 

4

SETTING menu and press number button 2 to change to ON. To turn this facility off, press button 2 whilst in the nexTViewLink SETTING P.DOWNLOAD screen. Now select 2 TV PICTURE RECORD from the nextViewLink screen.

Having downloaded the channel order and set the TV PICTURE RECORD to ON you can now instruct the VCR to record information from the a news item and decide to record it. Because the setting on the PICTURE RECORD was turned ON the VCR will automatically record television. For example, you may be watching

The TV will automatically switch the VCR into Timer Mode.

0

00

Press the MENU button on the Remote Control to

By setting the ADUUST CLOCK to 0N there will be no need to adjust the clock manually. This will be automatically carried out for you daily.

display the green MAIN MENU.

Press button 2 to select the USER SETTING 1/2 screen. Press the SHIFT → to go to USER SETTING

USER SETTING 2/2

ADJUST CLOCK (ON)

Press button 3 to turn ADJUST CLOCK OFF and press MENU to exit.

I TIMER PROGRAMMING USER SETTING INSTALLATION CLOCK SET INSTVIEWLING MAIN MENU P.DOWNLOAD. By pressing the number buttons to select the channels, download the

Press L-B to select Press Menu to exit

channel orders by pressing SHIFT →

TV CH P. DOWN LOAD TV PICTURE RECORD (OFF) nexTViewLink SETTING information. Follow the on screen instructions. Having downloaded the channel order you must now instruct the VCR to accept this

TV CH P. DOWN LOAD Press 11 ~ 12 to select Press MENU to exit

당 :

 $\mathbf{c}$ 

Press SHIFT. to DOWN LOAD Press MENU to exit

nexTViewLink SETTING ■ TV CH P. DOWN LOAD

TV PICTURE RECORD (OFF

Press D~E to select Press MENU to exit

from the current television station, *irrespective* of what channel the VCR is set to (unlike the OTR function) by pressing the two REC

4

Press the MENU buton on the remote control to select the green MAIN MENU.

MAIN MENU

I TIMER PROGRAMMING USER SETTING INSTALLATION I CLOCK SET nexTViewLink SETTING

80800

Press D. E to select Press MENU to exit

Press button 2 to select the USER SETTING 1/2 screen. Press the SHIFT → to go to USER SETTING 2/2 2

Press button 4 to set "16:9"  $\mathcal{C}$ 

USER SETTING 2/2

AUTO: Set when you use a Wide TV. The VTR detects wide TV programmes and normal TV programmes automatically when playing back

B OSD BACKGROUND (OFF)
B ADUST CLOCK (OW)
B 169 (OFF)
B NICAM (OFF)
B NICAM (OFF)
PRES E 0 change
Press Exam to previous
Press Exam to previous

ON: The VTR atways plays back and records in the mode compatible with 16:9 wide screen. Set if the VTR cannot detect wide TV programmes with "AUTO" set.

DFF: Set if you do not use a wide TV.

Press the MENU to exit.

4

25

2-11

24

RECORDING

Some Pace and Nokia Satellite receivers are not compatible with this VTR, for instance Pace have recently changed the IR control codes of the MSS100,

In order for these functions to work you must have a compatible Satellite receiver.

Satellite Compatibility:

SATELLITE CONTROL

therefore some machines will be compatible while others are not. Incompatible MSS100 receivers can be identified by the Remote Control part numbe

'RC10" which is printed on the handset

### **NTSC Playback**

NTSC is the broadcasting standard used in Japan and the USA. The VTR has a function that enables you to view NTSC tapes.



The VTR will decode NTSC signals, so the NTSC option available on the VTR must be set to ON. Playing back a cassette on a PAL ONLY TV

Press the MENU button to display the green MAIN MENU.

MAIN MENU

E TIMER PROGRAMMING
E USER SETTING
E INSTALLATION
E CLOCK SET
E REXTVIEWLINK SETTING USER SETTING 1/2 Press ... S to select Press MENU to exit

■ TAPE SELECT ( €180)

■ ECO MODE
■ NTSC ON PAL TV ( OFF)
■ WIDGO PLUS+ EXTEND (OFF)
■ COLOUR

Press button 2 to select the blue USER SETTING 1/2 screen.

7

6

Press L. E to change Press SHIFT to next Press Manu to exit

Press button 3 to select NTSC ON PAL TV ON.

 $^{\circ}$ 

From VTR

Press MENU twice to exit 4

### Playing back a cassette on an NTSC 4.43 compatible TV

Power Cable

The TV will decode the NTSC signal, so the 'NTSC Playback on PAL TV' option available from the VTR must be set to OFF.

■ TAPE SELECT (E180)
■ ECO MODE Press the MENU button to display the green MAIN MENU.

USER SETTING 1/2

Press button 3 to select NTSC ON PAL TV OFF.  $\sim$ 

Press button 2 to select the blue USER SETTING 1/2 screen.

7

(OFF)

INTSC ON PAL TV (ON)

VIDEO PLUS+ EXTEND (OFF)

COLOUR
(ON) Press II~ Is to change Press SHIFT I to next

SCART IN/OUT

Aerial Cable

From Satellite receiver to

Positioning the Satellite receiver:

The VTR will control or talk to the Satellite receiver via infra-red signals which are sent out from the VTR's display window and top-mounted sensor

It is essential that you correctly position the VTR and Satellite receiver

Aerial Cable

ideally, you should position the Satellite receiver above the VFR.

Do not block the VTR's sensors.

The infra-red signals come out of the sensor windows, bounce off walls and objects in the room and are picked up by the Satellite receiver

Note: When using a SCART Lead between the Satellite receiver and the VTR always ensure that you connect the SCART Lead to the SCART input socket marked SATELLITE IN on the VTR.

Aerial Cable

Note: The playback quality of NTSC tapes is not as good appear at both the top and bottom of the screen and Variable Speed Playback may not function correctly (i.e. Picture Still, Search, Slow Playback etc.) Digital Auto as PAL tapes and the picture and sound quality may be poor. The picture may strink vertically, black bars may Tracking may not work correctly.

Playback of recordings made in LP mode may be pour due to the limitations of conversion.

Press MENU twice to exit 4

SATELLITE CONTROI

## Control of Satellite Channels via Satellite Control

Control of Satellite Channels via Satellite

Control

SATELLITE CONTROL

Having connected your Satellite receiver and positioned it correctly, you now need to tell the VTR how it is connected, what Brand of Satellite receiver you have and what order of Satellite channels have been set.

Press the MENU button on the Remote Control to display the green MAIN MENU.

11 TIMER PROGRAMMING
12 USER SETTING
12 INSTALLATION
12 CLOCK SET
15 nextviewlink Setting Press II~Es to select Press MENU to exit MAIN MENU

ED AUTO SET UP
ED MANUAL SET UP
ED SATELLITE SETTING
SAT CONNECTION(LINE!)
SAT GRAND NO. (17)
ED VIDEO PLUS+ GUIDE CH INSTALLATION MENU Press 13 - 13 to select Press May to exit

Press button number 3 to select the blue INSTALLATION MENU and 3 again to select the blue SATELLITE SETTING

2

• 0

 $\Theta$ 

E SATELLITE SCART (SAT)
E RF AERIAL (CH P.)
AV SCART (LINE1)
FRONT AV (LINE2) connected? SATELLITE CONNECTION How is your satellite

f you have connected the

Satellite receiver using

Select 1 ~ 4 depending on how you have connected the Satellite receiver.

 $^{\circ}$ 

Press II - II to select Press IMENU to exit

chamel you have tuned your Satellite. The screen will prompt you. Use the number buttons on the Remote Control, e.g. 06 for chamel 6. RF AERIAL (Option 2 from the SATELLITE CONNECTION) the VTR needs to be told to which

If the Satellite receiver has been connected – turned on and set to Sky News – prior to running AUTO SET UP then the Satellite receiver should be stored in position 6.

Once this number has been entered, press the MENU button on the Remote 4

table on page 29 using the numbered buttons on the Remote Control, even if the Enter the Satellite Brand Code from the

SATELLITE BRAND NO.
What is brand
of your satellite?

SAT. BRAND NO. (617)
Refer to conner's manual
for 3 digit brand No.
ENTER SAT. BRAND NO.
even if it is connect.
Press WARVII to exit

The VTR will send a test signal to the Satellite receiver.

Continued overleaf.

Press MENU to continue switches to channel 12 it is working correctly. If the Satellite receiver and go to instruction 7 below. 2

(017)

SAT. BRAND NO.

sending a test signal of CH 12 to your satellite

If it does not switch to channel 12 continue trying the list of Brand Codes until the VTR controls the Satellite.

ထ

Did SAT. CH change to 12?
YES: Press MANU
NO: Try another No.

SAT. BRAND NO. (017)

fall numbers tried select NO SAT CONTROL

Note: If no Codes work, press the MENU button on the Remote Control and select

next screen

Press MENU

NO SAT CONTROL on the next creen and see step 9 below.

on your Satellite receiver You now need to tell the VTR the Channel order

E SKY ORDER
S ASTRA ORDER
E PERSONAL PREFERENCE
NO SATELLITE CONTROL

Press ... to select Press MENU to exit

SATELLITE CH ORDER How is your satelfite receiver tuned?

however, you have changed the order then you will need to select 3 PERSONAL PREFERENCE on the SATELLITE CH ORDER screen and change Most Satellite receivers are preset to either SKY or ASTRA order. If, the VIDEO Plus+ GUIDE numbers accordingly

Select 1~4 and this will customise your VTR to your Satellite receiver

If you selected 3 PERSONAL PREFERENCE you will need to enter the channel order of the Satellite receiver (see the example right). Use the table on page 29 to help.  $\infty$ 

Example only

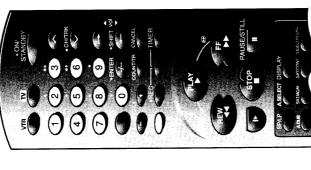
Enler CH P. or LINE
Press SHIFT to change GUIDE
Press MENU to exit

If you selected 4 NO SATELLITE CONTROL you will need to manually select the correct Satellite channel on the receiver when you want to record a Satellite programme.

σ

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The set-up is now complete



SATELLITE CONTROL

## Control of Satellite Channels via Satellite Control

From the tables below look up the make of the Satellite Receiver and note the Brand Code. The Channel order may channe from time to time \_\_contact wour Satellite provider for the Is

3		
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Brand Name

- -	_	Order Order	80	2 12	3 16	4 18	5 26	5 26	6 20	7 46	7 46	8 42	8 42	8 42	9	9 41	11 73
VEDEGIA	Guide	Channel	101	102	103	104	111	E	105	901	901	125	125	125	124	124	123
	Station Name		SKY ONE	SKY NEWS	SKY MOVIE MAX	SKY PREMIERE	THE DISNEY CHANNEL	SKY BOX OFFICE 1	SKY SPORTS 1	NICKELODEON	PARAMOUNT COMEDY CH.	EBN	TROUBLE	BRAVO	DISCOVERY HOME & LEISURE	DISCOVERY	IK GOLD
Brand Code			017,033	001, 002, 009, 016, 017, 065, 066	003, 004, 005, 017, 055, 056, 076, 077, 089,	090, 091, 124	107, 043	710, 3008, 017	017, 122, 123	002, 009, 016, 017, 065, 066	017, 101, 102, 103, 104	017, 101, 102, 103, 104	017, 122, 123	002, 003, 010, 017	017,072	017,045	013, 014, 017, 092, 093, 094

ARMSTRONG BIG BROTHER

-	_	VIDEOMAL			4
	Station Name	2	A.A.S	ACTRA	potsial a
_	200	Chamel	-gu	Onder	preferen
	SKY ONE	101	-	80	
	SKY NEWS	102	2	12	
1	SKY MOVIE MAX	103	3	91	
	SKY PREMIERE	101	Þ	18	
	THE DISNEY CHANNEL	E	2	36	
	SKY BOX OFFICE 1	Ε	S	97	
	SKY SPORTS 1	105	œ	70	
	NICKELODEON	901	7	94	
	PARAMOUNT COMEDY CH	901	7	94	
	EBN	125	œ	42	
	TROUBLE	125	œ	42	
_	BRAVO	125	8	42	
	DISCOVERY HOME & LEISURE	124	ക	41	
	DISCOVERY	124	တ	41	
	UK 60LD	123	=	23	
	OVC	136	12	88	
_	LIVING	130	52	34	
	THE FANTASY CHANNEL	130	22	34	
	VIM	109	17	5	
	VH1	145	12	7.7	
	SKY SPORTS 2	140	91	43	
	SKY SPORTS 3	148	17	31	
	PLAYBOY CHANNEL	148	17	31	
	TV SHOP	148	11	33	
	FOX KIDS	119	18	1	
	NATIONAL GEOGRAPHIC	119	18	7	
	GRANADA PLUS	131	19	e	
	MEN & MOTORS	131	19	3	
	WEATHER	121	20	09	
_	RACING	121	20	09	
-	SKY BOX OFFICE 2	121	20	09	
	SKY BOX OFFICE 3	132	21	88	

MTV	109	14	15	
VH1	145	12	22	
SKY SPORTS 2	140	92	47	
SKY SPORTS 3	148	1	31	
PLAYBOY CHANNEL	148	11	31	
TV SHOP	148	11	31	
FOX KIDS	119	18	1	
NATIONAL GEOGRAPHIC	119	18	7	
GRANADA PLUS	131	19	3	
MEN & MOTORS	131	13	3	
WEATHER	121	20	09	
RACING	121	20	. 09	
SKY BOX OFFICE 2	121	20	09	
SKY BOX OFFICE 3	132	21	88	
SKY SCOTTISH	132	21	65	
GRANADA GOOD LIFE	142	77	28	
COMPUTER CHANNEL	142	22	88	
SKY BOX OFFICE 4	142	22	88	
CMT	138	74	51	
CHRISTIAN CHANNEL	122	92	24	
SOAP	122	92	24	
HISTORY	122	92	74	
SOI-FI	122	3E	24	
TRAVEL	129	12	99	
SKY SINEMA	129	12	09	
CARTOON NETWORK	149	29	37	
TNT	149	29	37	
EUROSPORT	107	30	7	

024,046,073 009, 016, 017, 023, 038

NIBOMENUE
PINZE
PI

077, 105, 105, 107, 108, 109, 110, 121 017, 067 017, 065, 037, 044, 083

is important that you check that your. Verange file pade Channel order stond on the VIRs is the same print you. Stonding Regions entrawises. Verange file.	is injection that you clock that your Victory of the said Charter only a strong of the said Charter of the	CNN	128	33	82	
It is important that you check that your Victory Charles Counts Charmel order strend on the VTRs in became unter as your Standard Recover orderwises Victory	"It is important that you cheek that your "Variangs (Met- buide Charma cutes street on the VITA is the same other as you Sasahal it Review or many or "Variangs" "P- programming with tax west conscip."	CANA	07/	5	07	-
Guide Channal order strong on the VTH's the same uniter as your Sanakita Harance prinamises VIII (1974)	Guido Channal cydra staned car her VIR is the some gather, as your James is Review throughous Virgina Charles. In programming with that went contexts.	"It is important that you check that	Now You	#		
as your Satellite Receives otherwise VIII CAPP.	as par Satalia Regions normalis Villagia (*). programnia vill na wort cornectly	Guate Channel order stored on the	VIR is the same uni	,	10	
	pogramming will hat went cortactly	as your Satalita Receives otherwis	S VIII	4		

### SATELLITE CONTROL

### Control of Satellite Channels continued Satellite Control function

Note. Some Satelline receivers may not respond to all the operations described, or may not be operated with this Remote Control. In these cases, operate the Satellite receiver using its own remote control.



## Satellite Control enables you to change channels on the Satellite using

Press the VTR button to ensure you are in VTR mode. Press the SAT CONT. (Sareline Control) button to swortch Stateline control ON. The VTR is now in Satellite Control mode and the VTR will automatically select the Satellite input on the VTR that you have previously set.

'SAT' will appear in the VTR display panel, to switch it off press the SAT.CONT. button again.

2

Select a Satellite channel using the numbered buttons on the Remote Control.

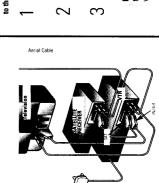
 $\mathcal{C}$ 

Depending on the Satellite receiver, the ways of use may differ. For example to select SKY MOVIES (on channel 3) either press 0 then 3, or 0 then 3 then the ENTER button, or 0 then 3 then the ENTER button twice.

When you have finished press the SAT.CONT. button to switch the Satellite Control OFF. To reset the VTR to record from BBC 1, ITV etc., press the INPUT SELECT button repeatedly until a programme position number is displayed

4

Some functions of the Pemote Control will not work whilst in this made. To exit this mode, press the SAT CONT, button on the Remote Control. 'SAT will disappear from the VTR display panel.



### if the Satellite receiver has two SCART outputs, one to the VTR and another to the TV, you do not need to use this function

To view Satellite you must select the SCART socket on the television (refer to the TV Owner's Manual). Press the SAT.MONI (SATELLITE MONITOR) button on the VTR Remote

Control; this will loop the Satellite signal through the VTR up to the

television (refer to TV 0wner's Manual).

If it has not been automatically selected, select the SCART socket on the

To cancel press the SAT.MON! button again.

Note: if you press the MENU button on the Remote Control to display the green MAIN MENU on the TV screen the Satellite Monitor Function will cancel.

33

8

2-14 Toshiba

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SATELLITE CONTROL

### Recording and Timer Recording from Satellite

Hi-Fi Stereo Sound system

Selecting different audio tracks when viewing a Hi-Fi stereo recorded tape.

If you have not followed the Satellite installation instructions as described in these *Satellite Control* pages you will NOT be able to use vineo(加心

This gives the simplicity of **VIDEO 1864** but also allows the recording of Satellite programmes. If Satellite Control works, **VIDEO 186** will operate in the same way, see page 18

Recording can be used in the same way as described on page 19.

9

All you need to do is press the INPUT SELECT button on the Remote Control to select the appropriate connection.

SA for SATELLITE SCART 06 for RF channel number 6, etc.

e.g.

You must ensure that the Satellite receiver is set to the required channel manually.

Timer recordings from Satellite channels can be made in the same way as described on page 20.

All you need to do is use the INPUT SELECT button on the Remote Control to select the

14:39 5.11. '00 SU CH DATE ON OFF SA ONCE 316:45 ~ 17:45 sp

SA for SATELLITE SCART 06 for RF channel number 6, etc.

If you have set up the Satellite Control function as described on page 28, you can press SAT.CONT, instead of the INPUT SELECT button. SAT.CONT. SELECT, you must ensure that the Satellite receiver is set to the required automatically selects the required Satellite channel. If you use INPUT channel manually.

Press the SAT.CONT. button to display SA and enter the appropriate Channel number for the Satellite programme you wish to record using the number buttons on the Remote Control.

2



The VTR is capable of recording and playing sound in a number of ways. As you select the different options the display on the front of the VTR will change

This is factory set to L + R and in most instances there will be little need to alter any of these settings.

Repeatedly press the A.SELECT (audio select) button on the

The output indicator on the front of the VTR will show the changes. From: L and R, L, R, blank, MIX L and R, and back to L and R.

2

When the display shows both L and R: Audio is played from both the Left and Right Hi-Fi tracks, giving a true stereo sound.

က

When the display shows L:
Audio from the left soundtrack on the tape is
output from the VTR.

4

When the display shows R:
Audio sound from the right soundtrack on the tape is output from the VTR.

 $\mathbf{c}$ 

Œ

When the display is blank:
Audio taken from the mono soundtrack is
output from the VFR.

9

When the display shows MIX L and R: Stereo sound taken from the Hi-Fi track PLUS the MONO' normal audio track' is output from

Œ 

/

MIX

please refer to the Cable provider for full details on how to set up using  $\mathbf{VDEQM}_{LL}$ 

If you have connected the VTR to a Cable system,

Editing a Video Tape

### 33

### **Audio Dubbing**

For adding soundtracks such as narration or music to previously - recorded video tapes.

In addition to the left and right Hi-Fi audio tracks there is another soundtrack called the 'normal audio track'

Connect suitable equipment e.g. cassette recorder to the IN/OUT (SCART) on the rear of the VTR.

> and right Hi-Fi tracks for the normal stereo sound, but it also records a mono version of the soundtrack on the normal audio track. This 'normal audio track' is mono track, recorded by all VTR recorders. When you record, the VTR uses the left

Insert the tape to be OVER-DUBBED (the tape with the new audio track

2

to be recorded onto).

Find the scene that you want to over-dub and press PAUSE/STILL

 $^{\circ}$ 

on the Remote Control.

If you wish, you can record your own soundtrack onto this, the 'normal audio track' without affecting the soundtrack on the Hi-Fi.

This is ideal for putting a 'voice over onto a home movie recorded on a camcorder In this way, you can keep the original soundtrack, but it means you can also add your own commentary.

 $\Omega$ 

Press the A.DUB (audio dub) button on the Remote Control. (The screen may flicker, this is normal.)

4

Press the PAUSE/STILL button again to start both the playback and the Audio

Play the sound from the external equipment When listening to the tape, use the A.SELECT button to select the required

9 / See page 32 for the selection

2  $^{\circ}$ 4 Æ₹

Using another VTR or external equipment, you can copy a tape. Recording VTR (vour VTR)

It is permissible to record television programmes only in the event that third party copyrights and other rights are not viollated. Important

g the VTR Press the LSELECT button so that display shows "L1".

When using the IN/OUT (SCART) socket

Press the SP/LP button to select the recording tape speed.

Play the tape on the playback VTR and pess the REC buttons to start recording on this VTR.

Press the STOP button on each VTR when copying is finished.

Note: The picture quality of the copied tape is slightly less than the original picture quality.

IN/OUT (SCART 1) AUDIO/VIDEO L1 (line1) SCART connection through

L2 (line2) RCA cable connection through LINE IN 2 (AUDIO/VIDEO)

SCART Connection through SATELLITE (SCART 2) INPUT SA

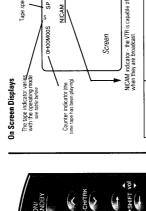
ADDITIONAL FUNCTIONS

# On-screen and VTR front panel displays

Index marks and Index searches

ADDITIONAL FUNCTIONS

Pressing the DISPLAY button on the Remate Control when a tape is in PLAY will display the tape indicator on the TV screen. When you insert a tape, the counter will change from the current time to DHODMODS. Pressing the COUNT/TR button will give you information on the VTR display.



Recording	<b>→</b>	Fiecting a tabe
Tape indicator on screen symbol	Tape indicator on screen symbol	
NO NICAM programme or Normal TV (Monaural sound)	NO NICAM progra (Monaural sound)	UNLIT
rogramme other language he UK)	BILINGUAL TV programme transmitted in another language (not available in the UK)	NICAM I/II
STEREO TV programme (stereo sound)	STEREO TV pro	NICAM @

## Counter – VTR Display By repeatedly pressing the COUNT/TR button on the Remore Control, you will

TR\* - the amount of tape Remaining (approx). Programme position number

The current time

Note: The counter is automatically reset to "OHOMNOS" when a tape is ejected. To reset the counter at another point, such as at the beginning of a new recording, simply press the COUNT/TR and CANCEL button

simultaneonslyon the Remote Control.

Programme position number NICAM indicator - the VTR is capable of receiving and decoding NICAM signals when they are broadcast. Tape speed (SP/LP/SLP) NICAM (D) S.

IICAM @	STEREO TV programme (stereo sound)
IICAM I/II	BILINGUAL TV programme transmitted in another language (not available in the UK)
JNLIT	NO NICAM programme or Normal TV (Monaural sound)

Tape indicator on screen symbol	-	Tape indicator on screen symbol	. · · ·
Ejecting a tape	4	Recording	•
STOP		Recording Pause	•
Fact-foowarding	1	Playback	<b>A</b>
Forward nicture search	1	Pause/still picture	
		Frame advance	=
Rewinding	¥	Slow Playback	4
Reverse picture search			

0:02:13 The time the tape has been playing.

TR2:13" 1 00

\* Before the tape remaining function can work you must identity the length of tape in play - see page 21

### Making and finding Index marks:

An Index search enables you to find the beginning of

programmes easily and quickly.

Whenever a recording starts, the VTR puts an electronic Index mark on the tape.

To register an Index mark during recording, simply press the INDEX + button on the Remote Control.

To find the Index marks when a tape is in playback, press the INDEX+ button to search forwards or the INDEX – button to

7

You cannot put in Index marks during playback of a

wherever you like, but only during a recording. You can put additional Index marks on a tape

search backwards.

When registering Index marks, always leave at least a 1 minute gap when recording in SP and a 2 minute

INDEX SEARCH -- →

When an Index mark is found the VTR will which it will continue searching for the playback the tape for 5 seconds, after

 $^{\circ}$ 

Index marks are not registered when the VTR is in

gap when recording in LP.

pause mode during a recording.

If you want to watch the tape from a particular Index, simply press PLAY.

4

F → INDEX SEARCH

### Index Skip Search:

This feature will enable you to fast forward/rewind to a specific point on a tape:

E.g. if you have recorded 3 different programmes on a tape and you have rewound the tape to the beginning, by using this feature you can go directly to the start of programme 2 simply by pressing the INDEX button.

Press the INDEX + to start the Index

Press the INDEX + button twice more. This recording/index mark 2. The VTR counter will take you directly to the start of the will show the progress of the search.

 $\sim$ 

These Index searches can be made က

SKIP SEARCH

forwards: (press INDEX +) or backwards: (press INDEX -).

900 900 To cancel an Index search simply press the PLAY or STOP button.

4

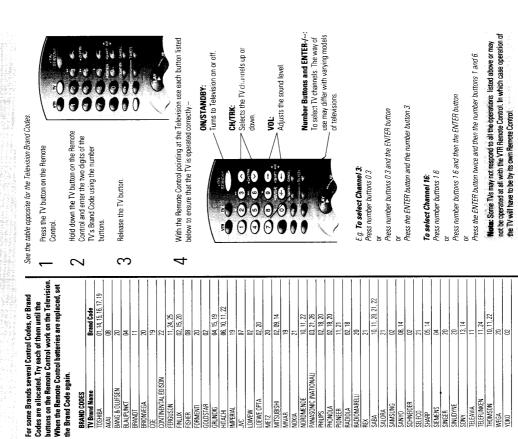
You can skip forward or backward a maximum of 20 Index marks.

37

ADDITIONAL FUNCTIONS

# Multi-Brand Remote Control

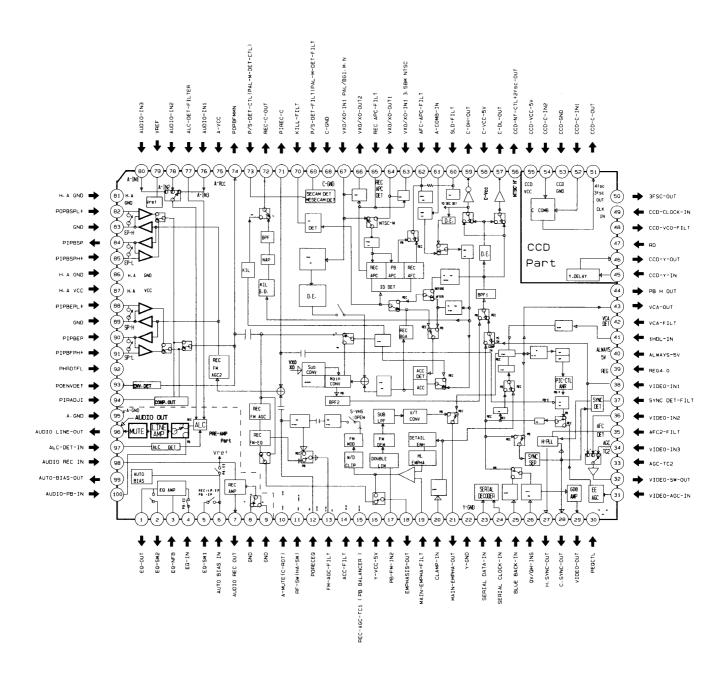
The Remote Control of the VTR can be compatible with various brands of Television by setting the control codes. The TOSHIBA code has initially been set to control TOSHIBA Televisions.



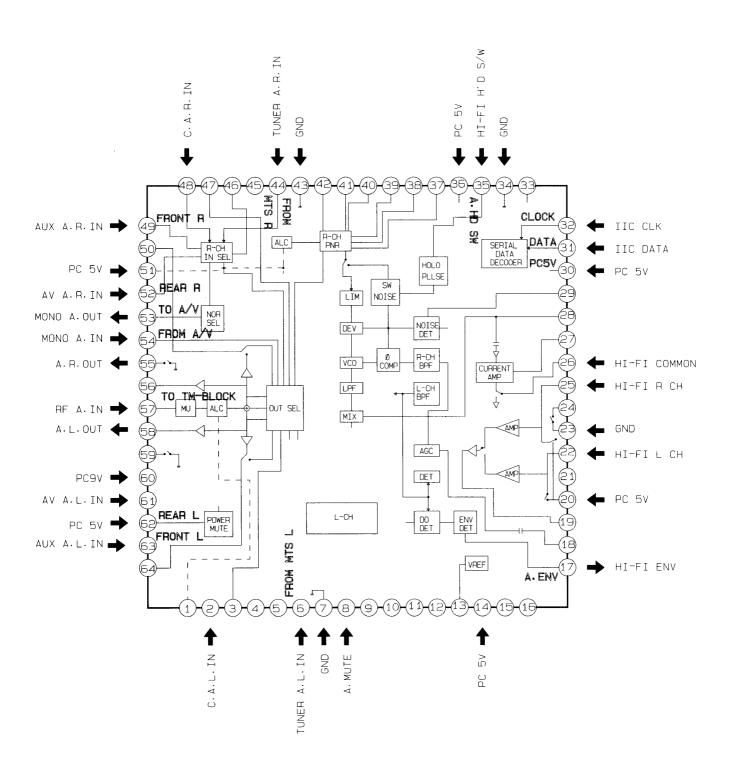
89

2-18 Toshiba

### 2-2-1 IC301 (LA71598M)

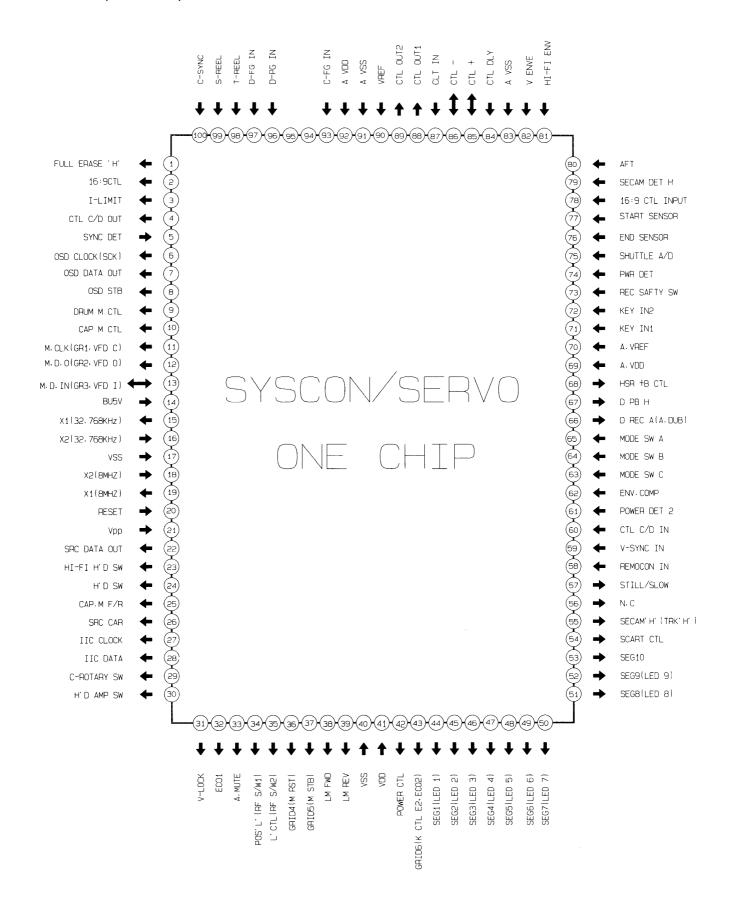


### 2-2-2 IC501 (LA72634AM)



2-20 Toshiba

### 2-2-3 IC601 (uPD784927)



### 3. Product Specifications

Specifications and features are subject to change without notice.

OPERATION	DESCRIPTION			
Power supply	230V/240V ("UK" Models), 230V ("EF/EG/W" Models) AC, 50Hz			
Power consumption	18 Watts (Hi-Fi Models), 16 Watts (Non Hi-Fi Models), 5W (normal standby), 3W (ECO Mode standby)			
External dimensions	360 (W) x 94 (H) x 298 (D) mm			
Mass	3.3 kg approx.			
Receiing channels	UK : VHF A-J (IRE), UHF 21-69, CATV X, Y, Z S1-41 EG : VHF E2-12 R2-12 A-H, UHF 21-69, CATV X, Y, Z S1-41 EF : VHF E2-12 F1-6 FB-FC, UHF E21-69, CATV X, Y, Z B-Q S1-41 70-92 W : VHF E2-12 R2-12 A-H, UHF 21-69, CATV X, Y, Z S1-41			
Format	VHS standard			
Video signal system	CCIR 625 lines, 50 fields, PAL colour signal, 525 lines NTSC colour (PB only)			
Recording system/Playback system	UK : PAL SP, LP VHS format EG/W : PAL/MESECAM SP, LP VHS format EF : PAL/MESECAM/SECAM SP, LP VHS format PAL/MESECAM/SECAM SP VHS format (V-230F/V-229F)			
NTSC playback	NTSC SP/SLP tape playback : NT4.43/NT PB ON PAL TV (V-230F/V-229F is SP only)			
Fast forward/Rewind time	Within approx. 150s (When E-180 video cassette is used)			
Aerial input/output	75 ohm coaxial			
Video input/output	AUDIO/VIDEO SCART socket, 1.0Vp-p, 75ohm			
Audio input	AUDIO/VIDEO SCART socket, 308mV(rms), more than 1.0Kohm			
Audio output	AUDIO/VIDEO SCART socket, 308mV(rms), less than 1.0Kohm			
Audio frequency range	20Hz - 20KHz (Hi-Fi model only)			
Operating conditions	Temperature : +5°C - +40°C Humidity : less than 80% RH			

Toshiba 3-1

### 4. Disassembly and Reassembly

### **4-1 Cabinet Assembly**

### 4-1-1 Cabinet Top Removal

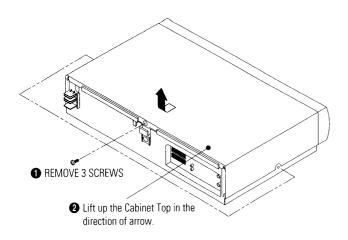


Fig. 4-1 Cabinet Top Removal

### 4-1-2 Bottom Cover Removal

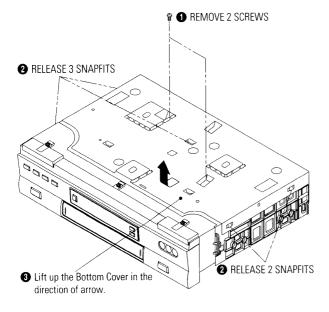
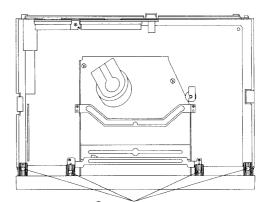


Fig. 4-2 Bottom Cover Removal

### 4-1-3 Ass'y Front Panel Removal



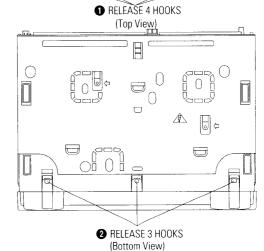


Fig. 4-3 Ass'y Front Panel Removal

### 4-1-4 Jack PCB Removal

Disconnect the CN701 from the Main PCB and then lift the Jack PCB up.

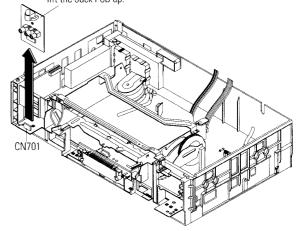


Fig. 4-4 Jack PCB Removal

Toshiba

### 4-1-5 Chassis Removal

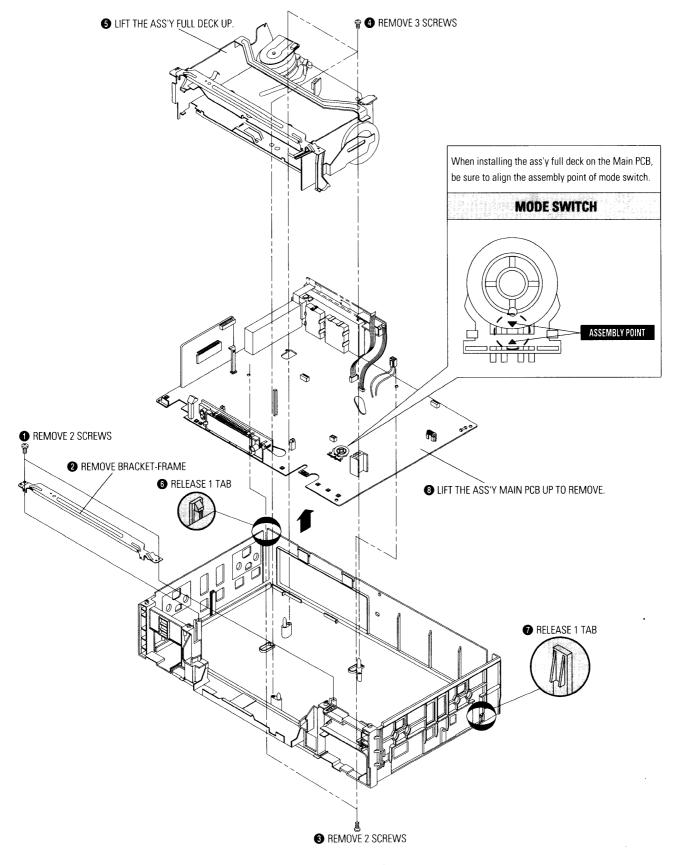


Fig. 4-5 Chassis Removal

4-2 Toshiba

### 4-2-1 Top View

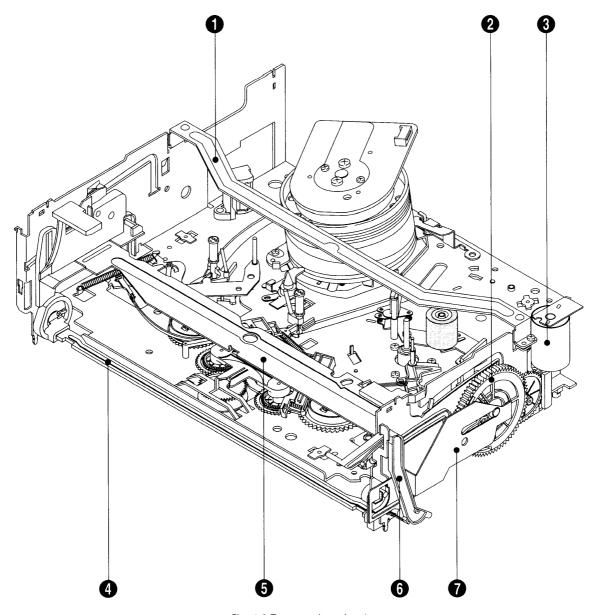


Fig. 4-6 Top parts Location-1

- BRACKET FL TOP (Optional)
- **2** GEAR FL CAM
- **3** MOTOR LOADING ASS'Y
- 4 LEVER FL ARM ASS'Y
- **6** HOLDER FL CASSETTE ASS'Y
- **6** LEVER FL DOOR
- SLIDER FL DRIVE

Toshiba 4-3

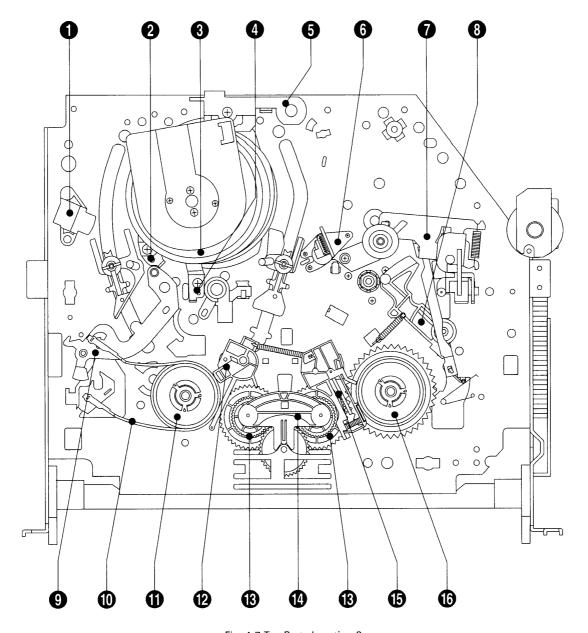


Fig. 4-7 Top Parts Location-2

- **1** FE HEAD
- 2 PLATE CYLINDER C
- 3 CYLINDER ASS'Y
- 4 PLATE CYLINDER B
- **5** PLATE CYLINDER A
- 6 ACE HEAD ASS'Y
- **7** UNIT PINCH ASS'Y
- 8 LEVER #9 GUIDE ASS'Y
- **9** LEVER TENSION ASS'Y

- **10** BAND BRAKE ASS'Y
- 1 DISK S REEL
- 12 LEVER S BRAKE ASS'Y
- **13** GEAR IDLE
- LEVER IDLE
- **15** LEVER T BRAKE ASS'Y
- 16 DISK T REEL

### 4-2-2 Bottom View

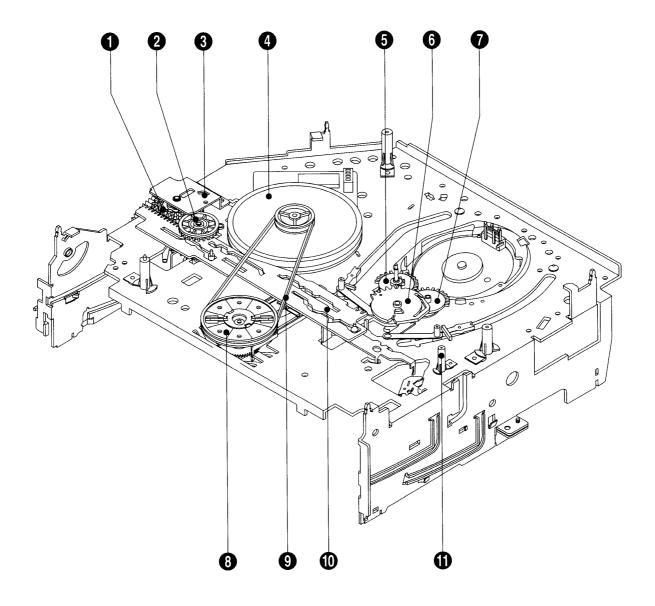


Fig. 4-8 Bottom Parts Location

- **1** GEAR JOINT 1
- **2** GEAR JOINT 2
- **3** BRAKET GEAR
- **4** MOTOR CAPSTAN ASS'Y
- **5** LEVER T LOAD ASS'Y
- **6** GEAR LOADING DRIVE
- 7 LEVER S LOAD ASS'Y
- **8** HOLDER CLUTCH ASS'Y
- 9 BELT PULLEY
- **10** SLIDER CAM
- SLEEVE TENSION

Toshiba 4-5

### 4-3 Main Deck

### 4-3-1 Bracket FL Top Removal (Optional)

- 1) Remove 2 screws **①**.
- 2) Remove the Bracket FL Top 2.

**Note**: Take care not to change assembly direction.

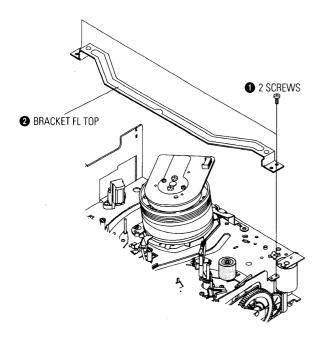


Fig. 4-9 Bracket FL Top Removal

### 4-3-2 Lever FL Door Removal

- 1) Rotate the Lever FL Door **1** in the direction of arrow "A".
- 2) Release the Hook **2**, remove the Lever FL Door **1** in the direction of arrow "B".

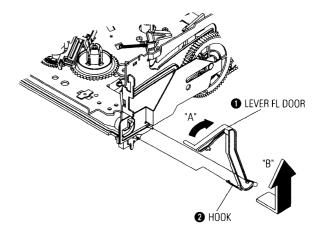


Fig. 4-10 Lever FL Door Removal

4-6 Toshiba

### 4-3-3 Holder FL Cassette Ass'y Removal

- 1) Remove the Lever FL Door. (Refer to Fig. 4-10)
- 2) Pull the Holder FL Cassette Ass'y **1** to the eject position.
- 3) Pull the Holder FL Cassette Ass'y ① as grasping the Holder FL Cassette Ass'y ① and Lever FL Cassette-R ② in the same time to release hooking from Main Base until the Boss [A], [B] of Holder FL Cassette Ass'y ① is taken out from the Rail [C], [D].
- 4) Lift the Holder FL Cassette Ass'y ① in the direction of arrow "B" in this time, you have to grasp the Lever FL Cassette-R ② continuously until the Holder FL Cassette Ass'y ① is taken out completely.

**Note**: Be sure to insert Lever FL Cassette-R ② in the direction of "A" to prevent separation and breakage of the Lever FL Cassette-R ② at disassembling and reassembling.

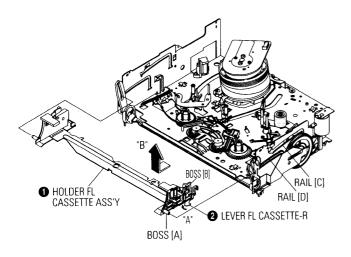


Fig. 4-11 Holder FL Cassette Ass'y Removal

### 4-3-4 Lever FL Arm Ass'y Removal

- 1) Remove the Lever FL Door. (Refer to Fig. 4-10)
- 2) Remove the Holder FL Cassette Ass'y. (Refer to Fig. 4-11)
- 3) Release the Hook ① in the direction of arrow "A", pull out the Lever FL Arm Ass'y ② from the Boss of Main Base.
- 4) Remove the Lever FL Arm Ass'y **1** in the direction of arrow "B".

**Assembly**: When reinstalling, be sure to reassemble Lever FL Arm Ass'y **4** after you insert the Boss **2** in Groove [A] of Slider FL Drive **3**.

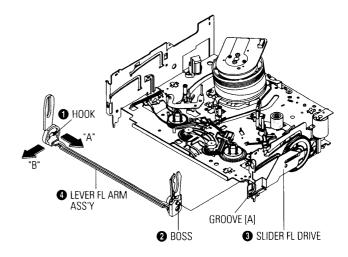


Fig. 4-12 Lever FL Arm Ass'y Removal

### 4-3-5 Slider FL Drive Removal

- 1) Pull the Slider FL Drive 1 to the front direction.
- 2) Remove the Slider FL Drive 1 in the direction of arrow. (Refer to Fig. 4-13)

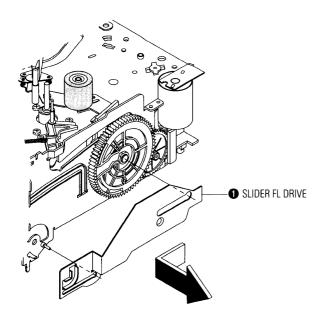


Fig. 4-13 Slider FL Drive Removal

### 4-3-6 Bracket Gear, Gear FL Cam, Gear Joint 1, 2 Removal

- 1) Remove screw **1**.
- 2) Lift the Bracket Gear **2**.
- 3) Remove the Gear FL Cam 3.
- 4) Lift the Gear Joint 2 **4**, Gear Joint 1 **5**.

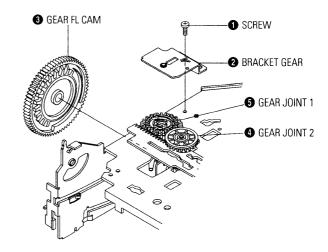
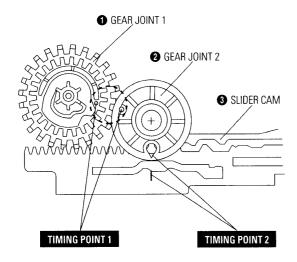


Fig. 4-14 Bracket Gear, Gear FL Cam, Gear Joint 1, 2 Removal

4-8 Toshiba

### 4-3-7 Assembly of Gear FL Cam, Gear Joint 1, 2

- 1) Be sure to align dot mark of Gear Joint 1 ① with dot mark of Gear Joint 2 ② as shown Fig. 4-15 (Refer to Timing Point 1), confirm the Timing Point 2 of the Gear Joint 2 ② and Slider Cam ③.
- 2) Align the Gear FL Cam 4 with the Gear Worm Wheel Post as shown detail drawing. (Refer to Timing Point 3)



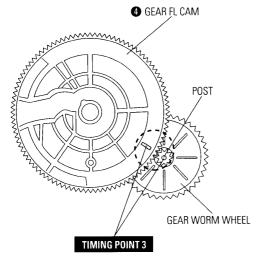


Fig. 4-15 Assembly of Gear FL Cam, Gear Joint 1, 2

### 4-3-8 Holder Worm, Gear Worm, Gear Worm Wheel Removal

- 1) Release the Hook [A] in the direction of arrow and, remove the Holder Worm **1**.
- 2) Remove the Gear Worm 2.
- 3) Remove the Gear Worm Wheel **3**. (After removing the Gear FL Cam as shown Fig. 4-14)

**Note**: Secure the Hook [A] after installing the Holder Worm **1**.

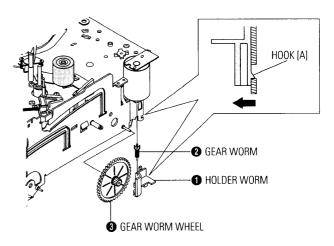


Fig. 4-16 Holder Worm, Gear Worm, Gear Worm Wheel Removal

### 4-3-9 Motor Loading Ass'y Removal

- 1) Remove the screw **①**.
- 2) Remove the Motor Loading Ass'y 2.

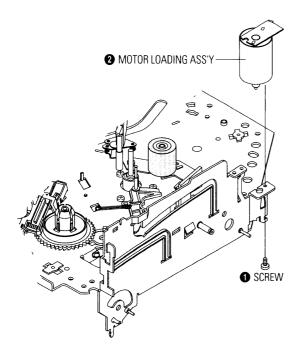


Fig. 4-17 Motor Loading Ass'y Removal

### 4-3-10 Gear Loading Drive, Slider Cam, Lever T, S Load Ass'y Removal

- 1) Remove the Belt Pulley. (Refer to Fig. 4-34)
- 2) Remove the Gear Loading Drive **1** after releasing Hook [A] in the direction arrow as shown in detail drawing.
- 3) Remove the Slider Cam 2.
- 4) Remove the Lever T, S Load Ass'y 3, 4.

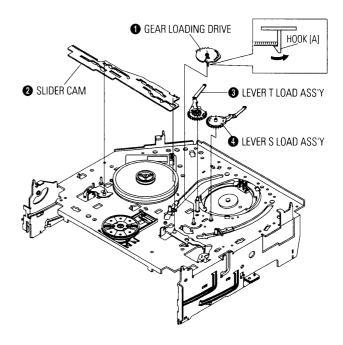


Fig. 4-18 Gear Loading Drive, Slider Cam, Lever T, S Load Ass'y
Removal

4-10 Toshiba

## 4-3-11 Assembly of Gear Loading Drive, Slider Cam, Lever T, S Load Ass'y

- 1) When reinstalling, be sure to align dot of Lever T Load Ass'y ① with dot of Lever S Load Ass'y ② as shown in drawing. (Refer to Timing Point 1)
- 2) Insert the Pin A, B, C, D into the Slider Cam 3 hole.
- 3) Be sure to align dot of Lever T Load Ass'y and dot of Gear Loading Drive **4**. (Refer to Timing Point 2)
- 4) Align dot of Gear Loading Drive with mark of Slider Cam as shown in drawing. (Refer to Timing Point 3)

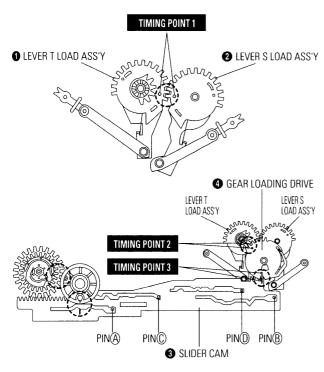


Fig. 4-19 Assembly of Gear Loading Drive, Slider Cam, Lever T, S Load Ass'y

# 4-3-12 Lever Tension Ass'y, Band Brake Ass'y, Sleeve Tension Removal

- 1) Remove the Spring Tension **1**.
- 2) In bottom side of Deck, remove the Sleeve Tension2 after rotating it right or left as lifting locking edge of Sleeve Tension.
- 3) Remove the side "a" of the Band Brake Ass'y 4 in the direction of arrow "A" from the Lever Tension Ass'y 3.
- 4) Remove the side "b" of the Band Brake Ass'y 4 in the direction of arrow "B" from the Main Base.

#### Note:

- 1) When replacing the Lever Tension Ass'y, be sure to apply oil in the Sleeve Tension.
- 2) Take care not to touch stain on the felt side, and not to be folded and broken Band Brake Ass'y.

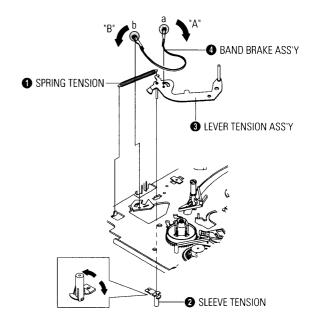


Fig. 4-20 Lever Tension Ass'y, Band Brake Ass'y, Sleeve Tension Removal

### 4-3-13 Lever S, T Brake Ass'y Removal

- 1) Release the Hook [A] and the Hook [B], [C] in the direction of arrow as shown in Fig. 4-21.
- 2) Lift the Lever S, T Brake Ass'y **1**, **2** with Spring Brake **3**.

#### Assembly:

- 1) Assembly the Lever S Brake Ass'y **1** on the Main Base
- 2) Assembly the Lever T Brake Ass'y ② with Spring Brake ③.

**Note**: Take extreme care not to be folded and transformed spring Brake at removing or reinstalling.

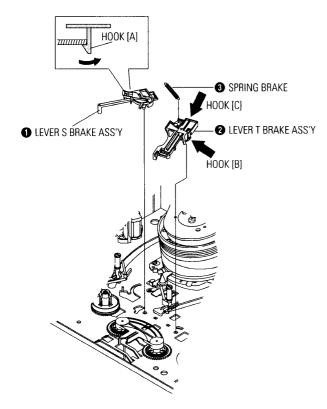


Fig. 4-21 Lever S, T Brake Ass'y Removal

### 4-3-14 Lever Idle Ass'y Removal

- 1) Push the Lever Idle **1** in the direction of arrow "A", "B".
- 2) Lift the Lever Idle **1**.

#### **Assembly**:

- 1) Apply oil in two Bosses of Lever Idle 1.
- 2) Assemble the Gear Idle 2 with the Lever Idle 1.

**Note**: When replacing the Gear Idle **2**, be sure to add oil in the boss of Lever Idle **1**.

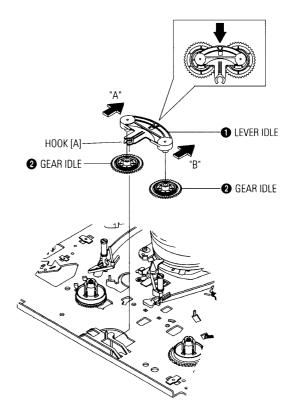


Fig. 4-22 Lever Idle Ass'y Removal

## 4-3-15 Disk S, T Reel Removal

1) Lift the Disk S, T Reel **1**, **2**.

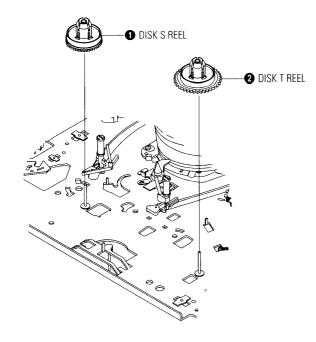


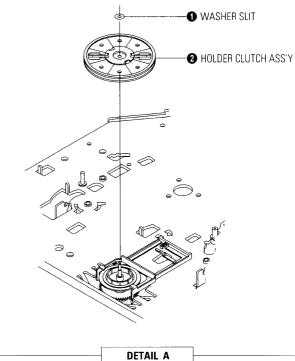
Fig. 4-23 Disk S, T Reel Removal

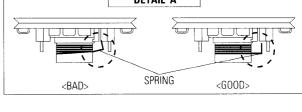
# 4-3-16 Holder Clutch Ass'y Removal

- 1) Remove the Washer Slit 1.
- 2) Lift the Holder Clutch Ass'y **2**.

**Note**: When you reinstall Holder Clutch Ass'y **②**.

- 1) Check the condition of spring as shown in detail A.
- 2) Don't push Holder Clutch Ass'y down with excessive force. Just insert Holder Clutch Ass'y into post center with dead force and rotate it smoothly. Be sure to confirm that spring is in the slit of Gear Center Ass'y as shown in detail B.





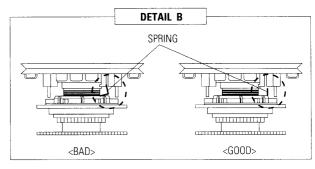


Fig. 4-24 Holder Clutch Ass'y Removal

# 4-3-17 Lever Up Down Ass'y, Gear Center Ass'y Removal

- 1) Remove the 2 hooks in the direction of arrow as shown Fig. 4-25 and lift the Lever Up Down Ass'y
- 2) Lift the Gear Center Ass'y 2.

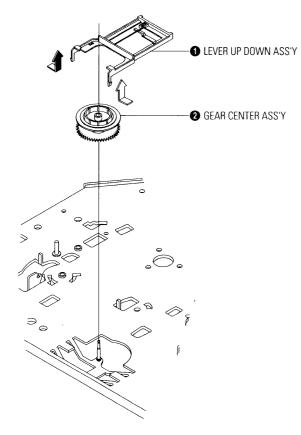


Fig. 4-25 Lever Up Down Ass'y, Gear Center Ass'y Removal

# 4-3-18 Assembly of Lever Up Down Ass'y, Gear Center Ass'y

- 1) Insert the Lever Up Down Ass'y **1** in the 2 rectangular holes on Main Base.
- 2) Lift the Lever Up Down Ass'y **1** about 35 degree. (Refer to Fig. 4-26)
- 3) Insert Ring **4** of the Gear Center Ass'y **2** in the Guide **5** of the Lever Up Down Ass'y **1**.
- 4) Insert the Gear Center Ass'y **2** in the post **6** on Main Base.
- 5) Push down the Lever Up Down Ass'y **1** for locking of the Hook **7**.

#### Note:

- 1) Take care not to separate and loose the Spring Up Down.
- 2) When assembling the Gear Center Ass'y, don't push down too much.

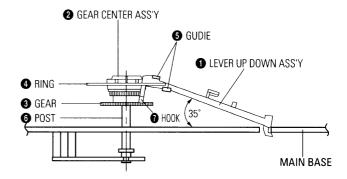


Fig. 4-26 Assembly of Lever Up Down Ass'y, Gear Center Ass'y

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#### 4-3-19 Guide Cassette Door Removal

- 1) Lift the Hook [A].
- 2) Rotate the Guide Cassette Door **1** in the direction of arrow.

**Note**: After reinstalling the Guide Cassette Door **1** secure the Hook [A].

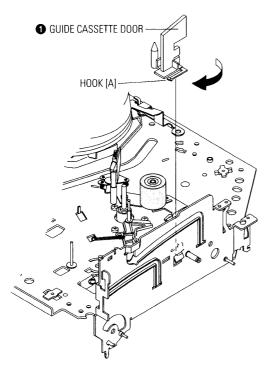


Fig. 4-27 Guide Cassette Door Removal

# 4-3-20 Unit Pinch Ass'y, Plate Joint, Spring Pinch Drive Removal

- 1) Lift the Unit Pinch Ass'y **1**.
- 2) Remove the Plate Joint **2** from Lever Pinch Drive.
- 3) Remove the Spring Pinch Drive **3**.

#### Note:

- 1) Take extreme care not to touch the grease on the Roller Pinch.
- 2) When reinstalling, be sure to apply grease on the post pinch roller.

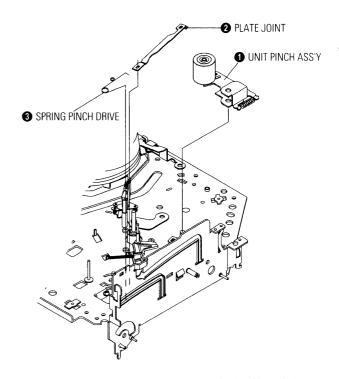


Fig. 4-28 Unit Pinch Ass'y, Plate Joint, Spring Pinch Drive Removal

# 4-3-21 Lever #9 Guide Ass'y Removal

- 1) Remove the Spring #9 Guide **1**.
- 2) Lift the Lever #9 Guide Ass'y ② in the direction of arrow.

#### Note:

- 1) Take extreme care not to touch the grease on the tape Guide Post.
- 2) After reinstalling, check the bottom side of the Post #9 Guide to stick to the top side of Main Base.

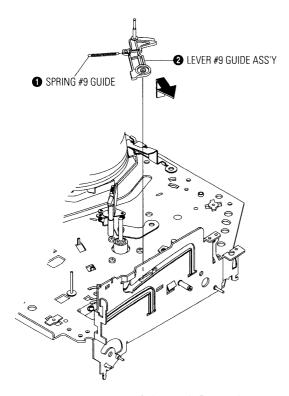


Fig. 4-29 Lever #9 Guide Ass'y Removal

## 4-3-22 FE Head Removal

- 1) Remove the screw **①**.
- 2) Lift the FE Head 2.

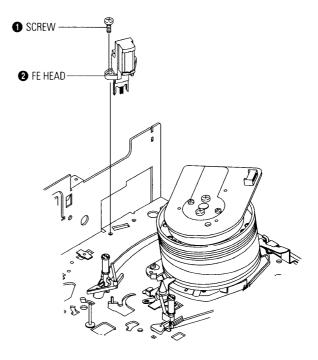


Fig. 4-30 FE Head Removal

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### 4-3-23 ACE Head Removal

- 1) Pull out the FPC from connector of ACE Head Ass'y 2.
- 2) Remove the screw **①**.
- 3) Lift the ACE Head Ass'y 2.

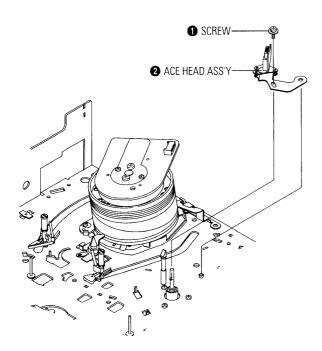


Fig. 4-31 ACE Head Removal

# 4-3-24 Slider S, T Ass'y Removal

1) Move the Slider S, T Ass'y **①**, **②** to slot, and then lift it to remove. (Refer to arrow)

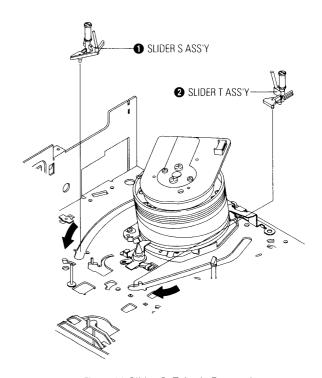


Fig. 4-32 Slider S, T Ass'y Removal

Toshiba 4-17

### 4-3-25 Cylinder Ass'y Removal

- 1) Remove the 3 Screws **1**, **3**, **5**.
- 2) Remove the Plate Cylinder A, B, C ②, ④, ⑥ in the direction of arrow.
- 3) Lift the Cylinder Ass'y **7**.

#### Note:

- 1) When reinstalling, push the Plate Cylinder A, B 4,6 in the reverse of arrow and then, tighten the2 Screws 3, 5.
- 2) Take care not to touch the Cylinder Ass'y and the tape guide post at reinstalling Plate Cylinder C 2.
- 3) Take care not to touch the Cylinder Ass'y with screw driver at reinstalling the Plate Cylinder C 2.

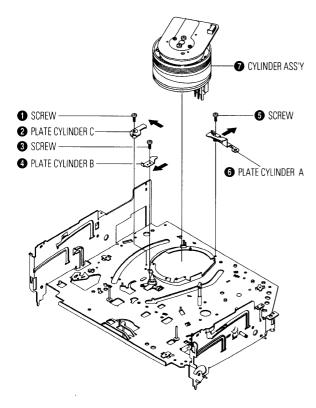


Fig. 4-33 Cylinder Ass'y Removal

## 4-3-26 Belt Pulley Removal

1) Remove the Belt Pulley **1**.

**Note**: Take extreme care not to touch the grease on Belt Pulley **①** at assembling or reassembling.

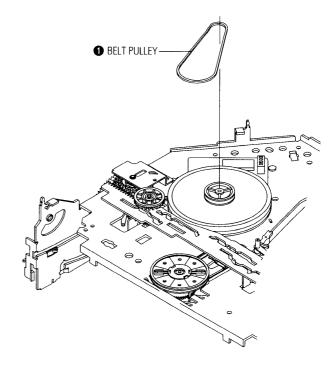


Fig. 4-34 Belt Pulley Removal

## 4-3-27 Lever Head Cleaner Ass'y Removal

- 1) Release the Hook **1**.
- 2) Lift the Lever Head Cleaner Ass'y 2.

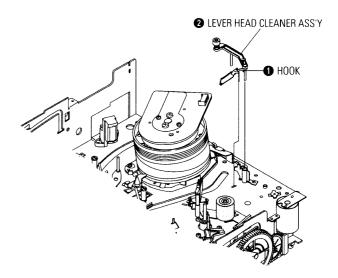


Fig. 4-35 Lever Head Cleaner Ass'y Removal

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# 4-3-28 Motor Capstan Ass'y Removal

- 1) Remove the 3 Screws 1.
- 2) Remove the Motor Capstan Ass'y 2.

#### Assembly:

- 1) Match the 3 holes of Motor Capstan Ass'y ② to the 3 holes of Main Base as attending not to drop or knock the Motor Capstan Ass'y.
- 2) Tighten the 3 Screws in the direction of arrow as shown detail drawing.

#### Note:

- 1) Don't reuse the removed screws from Motor Capstan Ass'y.
- 2) After tightening screws, check if there is gap between the head of screws and the top side of Main Base. There should have no gap between the head of screws and the top side of Main Base.
- 3) After reinstalling, adjusting the tape transport system again.

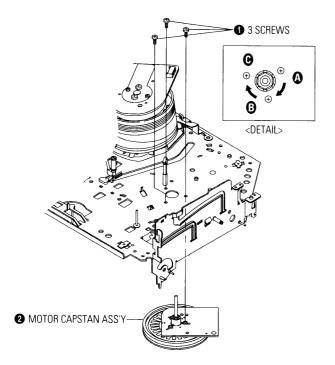


Fig. 4-36 Motor Capstan Ass'y Removal

# 4-3-29 How to Eject the Cassette Tape (If the unit does not operate on condition that is inserted into housing ass'y)

- 1) Remove the Holder worm **1** and the Gear Worm **2**.
- 2) Turn the Gear Worm Wheel **3** counterclockwise with screw driver. (Refer to arrow)

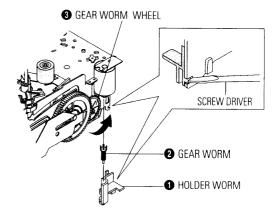


Fig. 4-37

- 3) When Slider S, T are approached in the position of unloading, rotate holder Clutch counterclockwise after inserting screw driver in the hole of frame's bottom in order to wind the unwounded tape. (Refer to Fig. 4-38)
  - (If you rotate Gear Worm Wheel continuously when tape is in state of unwinding, you may cause a tape contamination by grease and tape damage. Be sure to wind the unwounded tape in the state of set horizontally.)
- 4) Rotate Gear Worm Wheel 3 counterclockwise using screw driver again up to the state of eject mode and then pick out the tape. (Refer to Fig. 4-36)

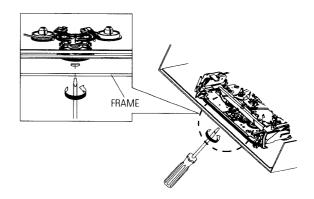


Fig. 4-38

# 4-4 The table of clearing, Lubrication and replacement time about principal parts

- 1) Table 4-1 is for normal temperature and humidity. It is necessary to check more frequently under extreme conditions.
- 2) The life of the cylinder assembly depends on the operating conditions.
- 3) See exploded view for location of each parts.

<Table 4-1>

*	Parts Name	Checking Period							Remark					
13 a 4 a 5 a 6 a 6 a 6 a 6 a 6 a 6 a 6 a 6 a 6			1000	1500	2000	2500	3000	3500	4000	4500	5000	Homer Total		
	POST TENSION	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	- To clean the parts, use patch and		
	SLANT POST S, T	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	alcohol (solvent).		
T A	#8 GUIDE SHAFT	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	, , , , , , , , , , , , , , , , , , , ,		
P	CAPSTAN SHAFT	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	- After cleaning, use the video tape		
E	#9 GUIDE POST	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	after alcohol is gone away completely.		
P	#3 GUIDE POST	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	completely.		
A	GUIDE ROLLER S, T	Δ	Δ	Δ	0	0	0	0	0	0	0	- We recommend to use oil [EP-56] or		
T	CYLINDER ASS'Y	Δ	0	0	0	0	0	0	0	0	0	solvent.		
Н	FE HEAD	Δ	Δ	Δ	0	0	0	0	0	0	0	- One or two drops of oil should be		
S	ACE HEAD	Δ	0	0	0	0	0	0	0	0	0	applied after cleaning with alcohol.		
Y	PINCH ROLLER	Δ	0	0	0	0	0	0	0	0	0			
3   T	POST REEL S, T		•		•		•		•		•	- Periodic time of applying oil		
Е	SLEEVE TENSION		•		•		•		•		•	(Apply oil after cleaning)		
M	POST CENTER		•		•		•		•		•	- The excessive applying oil may be the cause of malfunction.		
	LEVER IDLE BOSS (2Point)		•		•		•		•		•	the cause of manufiction.		
D S	CAPSTAN MOTOR PULLEY	Δ	Δ	Δ	Δ	Δ	0	0	0	0	0			
R Y	BELT PULLEY				0	0	0	0	0	0	0			
V S	HOLDER CLUTCH ASS'Y	Δ	0	0	0	0	0	0	0	0	0			
I I	GEAR CENTER ASS'Y		0	0	0	0	0	0	0	0	0			
N E	GEAR IDLE (2Point)		0	0	0	0	0	0	0	0	0			
G	LOADING MOTOR		0	0	0	0	0	0	0	0	0			
SYST-EZ BRAKE	BAND BRAKE ASS'Y		0	0	0	0	0	0	0	0	0			
E N	BRAKE T ASS'Y		0	0	0	0	0	0	0	0	0			

 $\Delta$ : Cleaning

O: Check and replacement in necessary

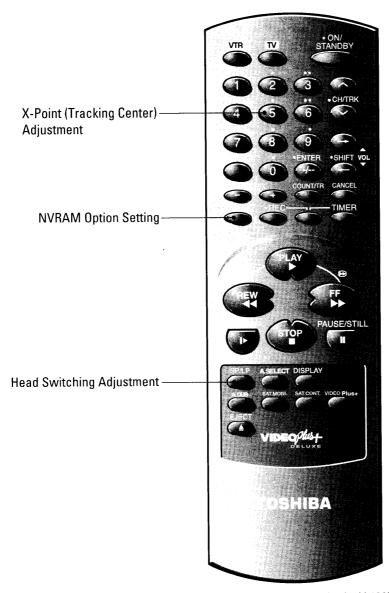
♦ : Add Oil

# 5. Alignment and Adjustment

#### 5-1 Reference

- 1) X-Point (Tracking center) adjustment, "Head switching adjustment" and "NVRAM option setting" can be adjusted with remote control.
- 2) When replacing the Micom (IC601) and NVRAM (IC605; EEPROM) be sure to adjust the "Head switching adjustment" and "NVRAM option setting".
- 3) When replacing the cylinder ass'y, be sure to adjust the "X-Point" and "Head switching adjustment".
- 4) Remote control used for same chassis as a accessory is available for all adjustments.
- 5) How to adjustment.
  - Press the "SW701 (TEST)" button on Main PCB to set the adjustment mode.
  - If the corresponding adjustment button is pressed, the adjustment is performed automatically.
  - If the adjustment is completed, be sure to turn the power off.

## 5-1-1 Location of adjustment button of remote control



<This remote control is using the for V-730UK.>

Fig. 5-1

# 5-1-2 SW701 (TEST) location for adjustment mode setting

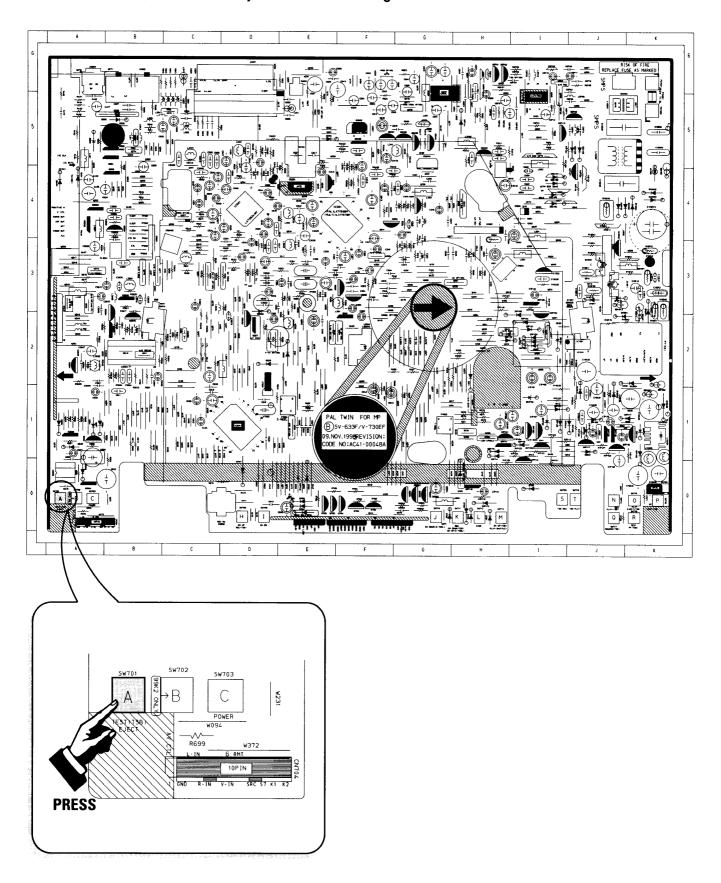


Fig. 5-2 Main PCB (Top View)

5-2 Toshiba

# **5-2 Mechanical Adjustment**

# **5-2-1 Tape Transport System and Adjustment Locations**

The tape transport system has been adjusted precisely in the factory. Alignment is not necessary except for the following:

- 1) Noise observed on the screen.
- 2) Tape damage.
- 3) Parts replacement in the tape transport system.

Lower flange height of tape guide is used as the reference for the transport adjustment.

To maintain the height of the tape guide and prevent damage, do not apply excessive force onto the main base.

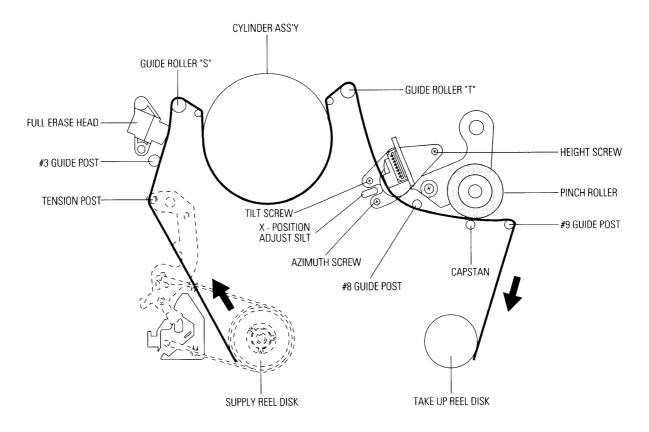


Fig. 5-3 Location of Tape Transport Adjustment

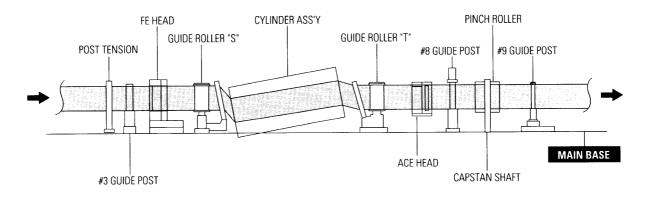


Fig. 5-4 Tape Travel Diagram

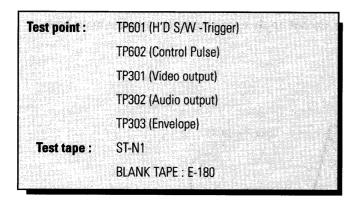
Toshiba 5-3

## 5-2-2 Tape Transport System Adjustment

When parts are replaced, perform the required adjustments by referring to procedures for the tape transport system. If there are any changes to the tape path, first run a E-120 tape and make sure excessive tape wrinkle does not occur at the tape guides.

- 1) If tape wrinkle is observed at the guide roller S, T, turn the guide roller S, T until wrinkle disappears.
- 2) If the tape wrinkle is still observed at the tape guide, perform the tilt adjustment of the ACE head.

### (1) ACE Head Assembly Adjustment



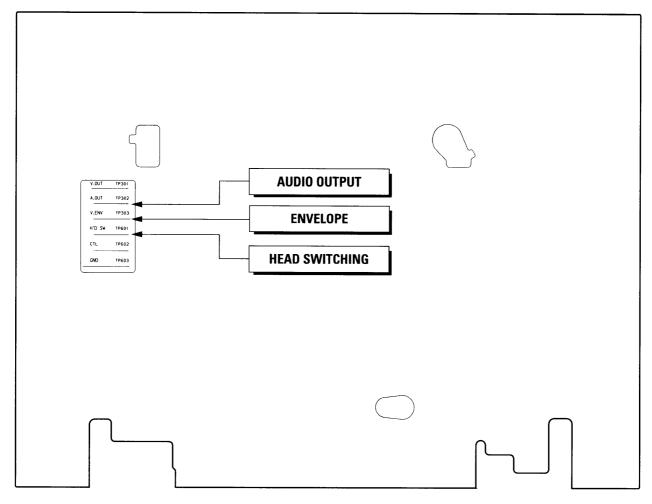


Fig. 5-5 Location of Test point (Main PCB-Top View)

5-4 Toshiba

#### a. ACE HEAD HEIGHT ADJUSTMENT

- 1) Run the alignment tape (Color bar) in the playback mode.
- 2) Observe surface of the audio head using a dental mirror.
- 3) Turn screw (C) clockwise or counterclockwise until the gap of lower tape edge and the lower edge of the control head is about 0.25mm. (Refer to Fig. 5-6 and 5-7)

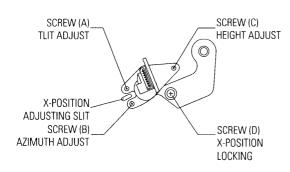


Fig. 5-6 Location of ACE Head Adjustment Screw

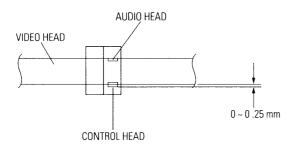


Fig. 5-7 ACE Head Height Adjustment

#### b. ACE HEAD TILT ADJUSTMENT

- 1) Playback a blank tape and observe the position of the tape at the lower flange of tape guide.
- 2) Confirm that there is no curl or wrinkle at the lower flange of tape guide as shown in Fig. 5-8 (B).
- 3) If a curl or wrinkle of the tape occurs, slightly turn the screw (A) tilt adjust on the ACE head ass'y.
- 4) Reconfirm the ACE head height.

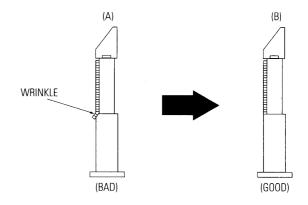


Fig. 5-8 Tape Guide Check

#### c. AUDIO AZIMUTH ADJUSTMENT

- 1) Load alignment tape (Mono scope) and playback the NTSC: 7KHz (PAL: 6KHz) signal.
- 2) Connect channel-1 scope probe to audio output test point (TP302).
- 3) Adjust screw (B) to achieve maximum audio level. (See Fig. 5-6)

#### d. ACE HEAD POSITION (X-POINT) ADJUSTMENT

- 1) Playback the alignment tape (Color bar).
- 2) Press the "SW701 (TEST)" button on Main PCB to set the adjustment mode. (See Fig. 5-2)
- 3) Press the "5" button of remote control then adjustment is operated automatically. (See Fig. 5-1)
- 4) Connect the CH-1 probe to TP303 (Envelope) the CH-2 probe to TP601 (H'D switching pulse) and then trigger to CH-1.
- 5) Insert the (-) driver into the X-Point adjustment hole and adjust it so that envelope waveform is maximum.
- 6) Turn the Power off.

#### (2) Linearity adjustment (Guide roller S, T adjustment)

- 1) Playback the Mono Scope alignment tape (SP mode).
- 2) Observe the video envelope signal on an oscilloscope (triggered by the video switching pulse).
- 3) Make sure the video envelope waveform (at its minimum) meets the specification shown in Fig. 5-9.

If it does not, adjust as follows:

#### Note:

- a=Maximum output of the video RF envelope.
- b=Minimum output of the video RF envelope at the entrance side.
- c=Minimum output of the video RF envelope at the center point.
- d=Maximum output of the video RF envelope at the exit side.
- 4) If the section A in Fig. 5-10 does not meet the specification, adjust the guide roller S up or down.
- 5) If the section B in Fig. 5-10 does not meet the specification, adjust the guide roller T up or down.

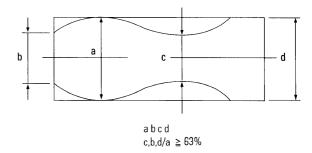


Fig. 5-9 Envelope Waveform Adjustment

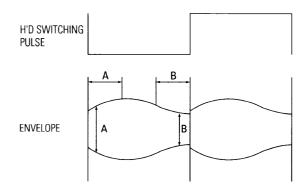


Fig. 5-10 Adjustment Points

- 6) Play back the Mono Scope alignment tape (SP mode).
- 7) Connect an oscilloscope CH-1 to the Envelope and CH-2 to the H'D SW Pulse for triggering.
- 8) Turn the guide roller heads with a flat head ( ) driver to obtain a flat video RF envelope as shown in Fig. 5-11.

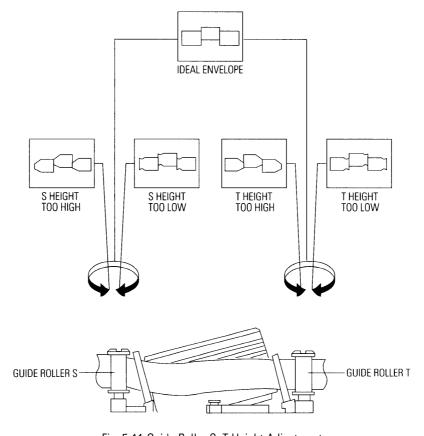


Fig. 5-11 Guide Roller S, T Height Adjustment

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### (3) Check Transitional Operation from RPS to Play

Check transition from RPS mode to play mode: Using a pre-recorded SP tape, make sure the entry side of envelope comes to an appropriate steady state within 3 seconds (as shown in Fig. 5-12). If the envelope waveform does not reach specified peak-to peak amplitude within 3 seconds, adjust as follows:

- 1) Make sure there is no gap between the supply roller lower flange and the tape.

  If there is a gap, adjust the supply guide roller again.
- 2) Change operation mode from the RPS to the play mode (again) and make sure the entry side of envelope rises within 3 second.

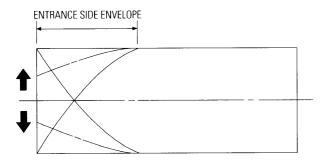


Fig. 5-12 Video Envelope Rising when Operation mode Changes from RPS to Play Mode

#### (4) Envelope Check

- 1) Make recordings on T-120 (E-120) and T-160 (E-180) tape.
  - Make sure the playback output envelope meets the specification as shown in Fig. 5-13.
- 2) Play back a self recorded tape (recording made on the unit using with T-120 (E-120).
  - The video envelope should meet the specification as shown in Fig. 5-13.
  - In SP mode, (A) should equal (B).
  - If the head gap is wide, upper cylinder should be checked.

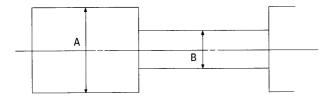


Fig. 5-13 Envelope Output and Output Level

#### (5) Tape Wrinkle Check

- 1) Run the T-160 (E-180) tape in the playback, FPS, RPS and Pause modes and observe tape wrinkle at each guide.
- 2) If excessive tape wrinkle is observed, perform the following adjustments in Playback mode:
- ◆ Tape wrinkle at the guide roller S, T section : Linearity adjustment.
- ◆ Tape wrinkle at tape guide flange : ACE head assembly coarse adjustment.

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#### 5-2-3 Reel Torque

- 1) The rotation of the capstan motor causes the holder clutch ass'y to rotate through the belt pulley.
- 2) The spring wrap PLAY/REV of holder clutch ass'y drives the disk reel S, T through gear idle by rotation of gear center ass'y.
- 3) Brake is operated by slider cam at FF/REW mode.
- 4) Transportation of accurate driving force is done by gears. (Gear Center Ass'y)

**Note**: If the spec. does not meet the followings specifications, replace the holder clutch ass'y and then recheck.

<Table 5-1>

MODE	<b>T0</b> I	RQUE g/cm	GAUGE	
PB	NTSC	82.5 ± 27.5	Cassatta Targuamata	
FB	PAL	79 ± 27	Cassette Torquemeter	
RPS	145 ± 30		Cassette Torquemeter	

## 5-2-4 Location adjustment and Confirmation of Tension Post

- 1) Remove the holder cassette ass'y and then push the lever FL Arm-R to the direction of loading.
- 2) Push the lever tension drive **1** in the direction of arrow. (See Fig. 5-14)
- 3) Turn the gear worm wheel 2 clockwise so that "Timing Point" of the slider FL drive 3 and gear FL cam 4 can be aligned (See Fig. 5-15)

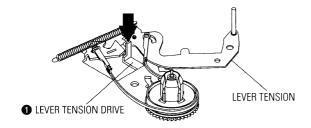


Fig. 5-14

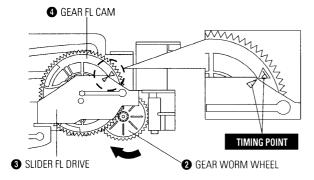


Fig. 5-15

- 4) As rotating Disk S Reel ① clockwise and the region of adjusting in the Main Base (in shape of slit) clockwise or counterclockwise after inserting screw driver in the slit on Main Base. Adjust the left end edge of Lever Tension Ass'y ③ to 1.3 +1.5/-0.5mm from the location of mark in the Main Base.
- 5) As rotating Disk S Reel ①, double-check the location of the left end edge of Lever Tension Ass'y and the quantity of crossing from mark on Main Base. (+1.0/-0.5mm)

Counterclockwise : Torque UP Clockwise : Torque DOWN

Back Tension should be  $56 \pm 15$ g.cm at inspecting it with Back Tension Meter.

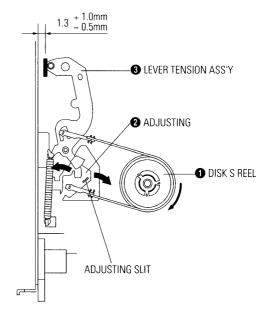


Fig. 5-16 Tension Pole and Back Tension Adjustment

#### Note

- 1) Mark on Main Base is located in about 1.3mm from inside of bending line.
- 2) Be careful not to deform the region of adjusting on Main Base up and down at adjusting.

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# 5-3 Head Switching Point Adjustment

- 1) Playback the alignment tape.
- 2) Press the "SW701 (TEST)" button on Main PCB to set the adjustment mode. (See Fig. 5-2)
- 3) Press the "SP/SLP" button of remote control then adjustment is operated automatically. (See Fig. 5-1)
- 4) Turn the Power off.

# 5-4 NVRAM Option Setting

- 1) NVRAM Option is adjusted at production line basically.
- 2) In case Micom (IC601) and NVRAM (IC605; EEPROM) is replaced, be sure to set the corresponding option number of the repaired model. (If the option is not set, the unit is not operated.)
- 1) Press the "SW701 (TEST)" button on Main PCB to set the adjustment mode. (See Fig. 5-2)
- 2) Press the "MENU (OSP)" button on the remote control about 5 seconds then option setting display is appeared. (See Fig. 5-17)
- 3) Select the option number (See Table 5-2) of corresponding model with "SHIFT 🍑 🖝 " button on the remote control.
- 4) If selecting the option number is completed, press the "CH/TRK (PROG.TV) "button of remote control. (If "CH/TRK (PROG.TV) "button is pressed, the selected number is changes reversed color.; See Fig. 5-17)
- 5) Press the "ENTER (ENTRER)" button of remote control again to store the option number. ("SAVE" is displayed for a second as shown Fig. 5-18 and this setting is completed.)
- 6) Turn the Power off.

<Table 5-2>

MODELS	OPTION NUMBER
V-730EF	2, 4, 5, 6, 7, 8, 9, 12, 13, 14, 15, 16, 18, 19, 21, 22, 23, 24, 25, 29, 33, 36, 40, 44, 46, 48
V-610EF	2, 4, 5, 7, 8, 9, 12, 13, 14, 15, 16, 18, 19, 21, 22, 23, 24, 25, 29, 34, 36, 40, 44, 46, 48
V-510EF	5, 8, 9, 12, 13, 14, 15, 18, 19, 21, 22, 23, 25, 29, 34, 36, 39, 40, 44, 46, 48
V-430EF	2, 5, 6, 7, 8, 9, 12, 16, 18, 19, 22, 24, 25, 29, 33, 36, 40, 46, 48
V-230EF	2, 5, 6, 7, 9, 16, 18, 19, 22, 24, 25, 29, 33, 40, 46, 48
V-220EF	2, 5, 9, 18, 19, 22, 25, 29, 34, 39, 40, 46, 48
V-730UK	3, 4, 5, 6, 7, 8, 12, 13, 15, 21, 22, 23, 24, 33, 36, 40, 44, 46, 48
V-720UK/710UK	3, 5, 7, 8, 12, 13, 15, 21, 22, 23, 24, 34, 36, 39, 40, 44, 46, 48
V-430UK	3, 4, 5, 7, 8, 12, 22, 23, 24, 33, 36, 37, 46, 48
V-230UK	3, 4, 5, 7, 8, 22, 23, 24, 33, 36, 37, 46, 48
V-220UK	3, 4, 5, 7, 8, 22, 23, 24, 33, 36, 37, 46, 48
V-210UK	3, 8, 22, 34, 36, 46
V-740EG/730EG	2, 4, 5, 6, 7, 8, 10, 12, 13, 14, 15, 16, 18, 21, 22, 23, 24, 26, 30, 33, 36, 40, 44, 46, 48
V-430EG	2, 4, 5, 7, 8, 10, 12, 16, 18, 22, 23, 24, 26, 30, 33, 36, 37, 46, 48
V-230EG	2, 4, 5, 7, 8, 10, 16, 18, 22, 23, 24, 26, 30, 33, 36, 37, 46, 48
V-210EG	5, 7, 8, 10, 16, 18, 22, 26, 30, 34, 36, 46, 48
V-720W	5, 6, 8, 10, 12, 13, 14, 15, 18, 21, 22, 23, 26, 29, 30, 34, 36, 40, 44, 46, 48
V-710W	5, 6, 8, 10, 12, 13, 14, 15, 18, 21, 22, 23, 26, 29, 30, 34, 36, 40, 44, 46, 48
V-420W	5, 6, 8, 10, 12, 18, 22, 26, 29, 30, 34, 36, 37, 46, 48
V-410W	5, 6, 8, 10, 12, 18, 22, 26, 29, 30, 34, 36, 37, 46, 48
V-220W	6, 8, 10, 17, 18, 22, 26, 29, 30, 34, 36, 37, 46, 48
V-210W	6, 8, 10, 17, 18, 22, 26, 29, 30, 34, 36, 37, 46, 48

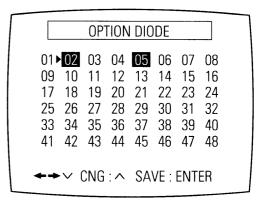


Fig. 5-17

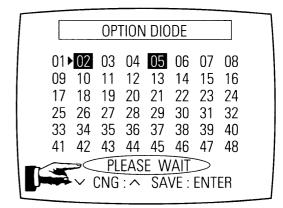


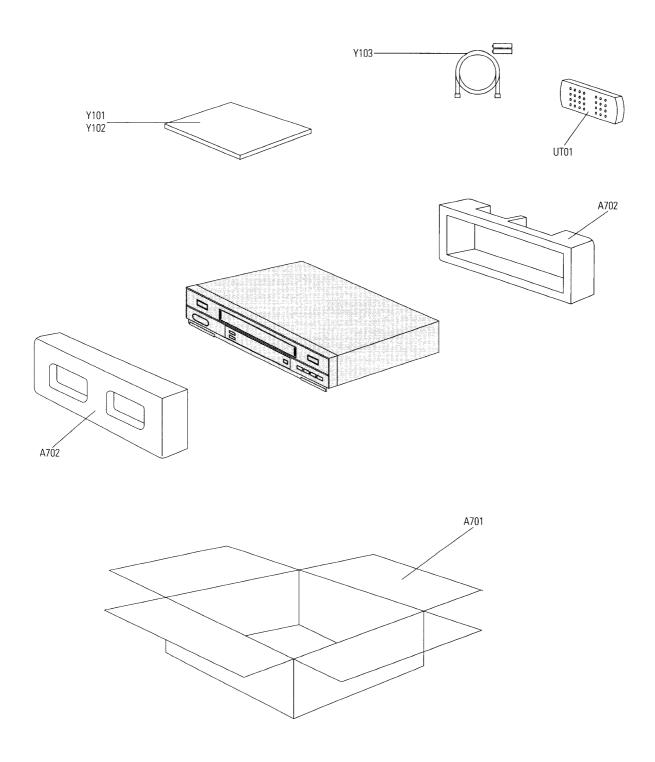
Fig. 5-18

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# 6. Exploded View

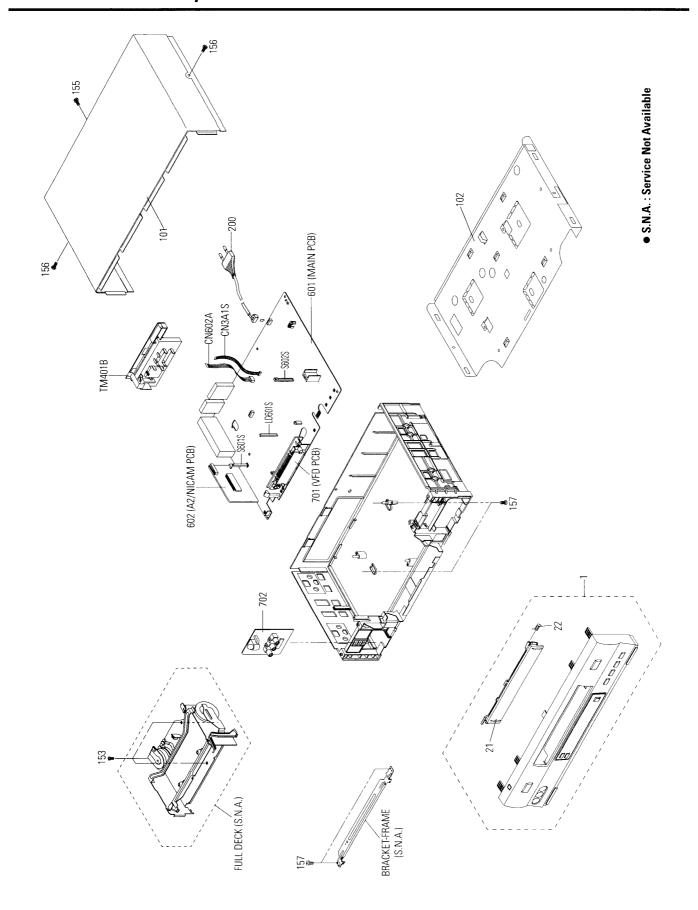
6-1	Packing Assembly	6-2
6-2	Instrument Assembly	6-3
6-3	Mechanical Parts (Top Side)	6-4
6-4	Mechanical Parts (Bottom Side)	6-5

# 6-1 Packing Assembly



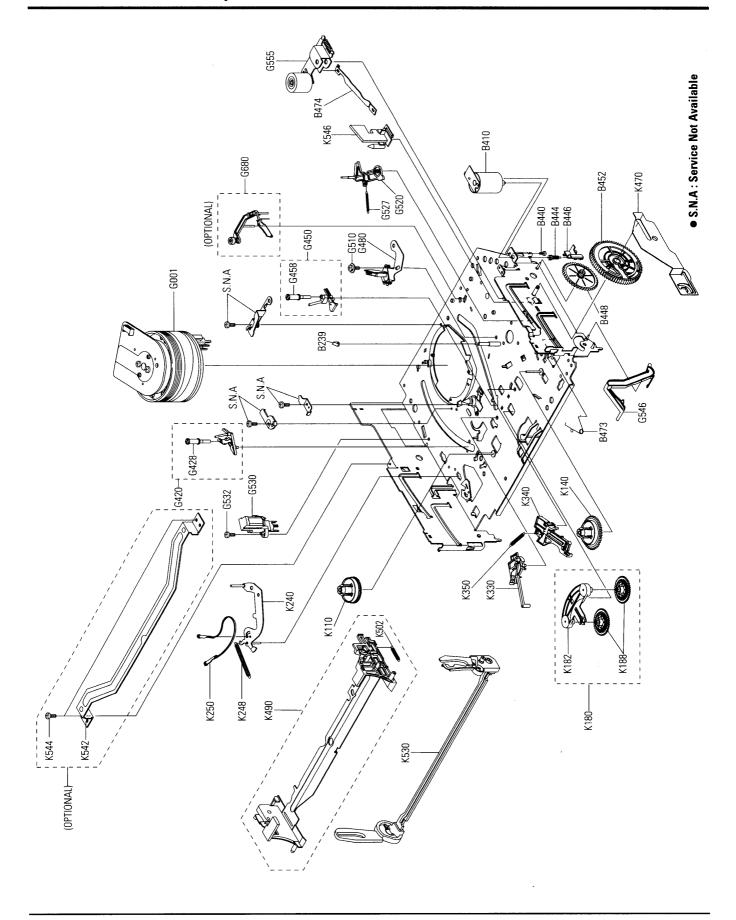
6-2

# 6-2 Instrument Assembly

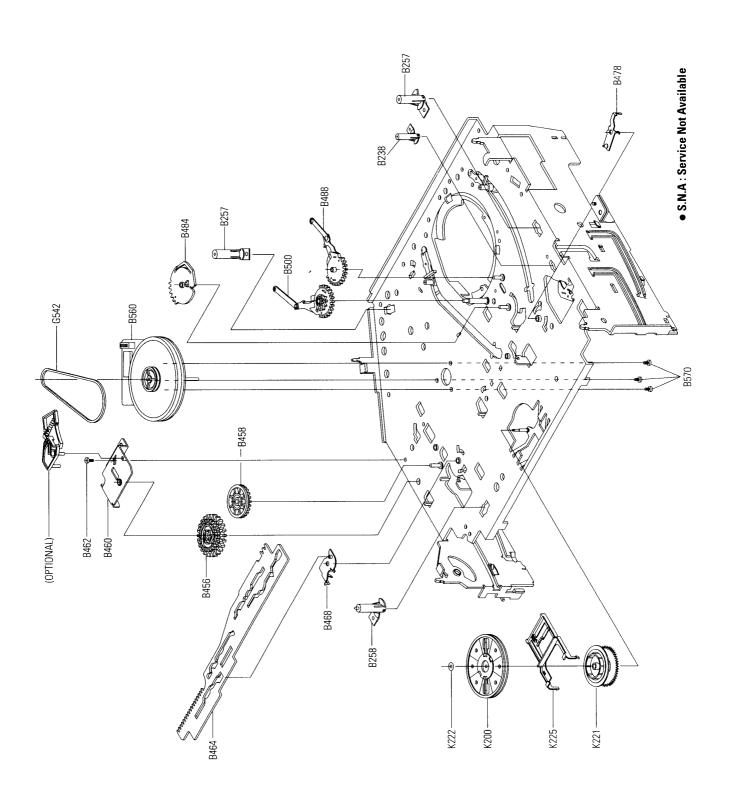


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# 6-3 Mechanical Parts (Top Side)



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# 7. Replacement Parts List

# 7-1 Hi-Fi Models (V-730EF/610EF/510EF/730UK/720UK/710UK/740EG/730EG/720W/710W)

Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
- PACI	(ING PAR	ΓS -		
A701	BY730492	AC69-00067A	PACKING-CASE;V-730F,-,-,-,SW2+YEL,-,-,	V-730EF
	BY730466	AC69-00067B	PACKING-CASE;V-610EF,-,-,-,SW2+YEL,-,-	V-610EF
	BY730521	AC69-00067C	PACKING-CASE;V-510EF,-,-,-,-,SW2+YEL,-,-	V-510EF V-730UK
	BY730522	AC69-00067H	PACKING-CASE;V-730UK,-,-,-,-,SW2+YEL,-,-	V-720UK V-720UK
	BY730523	AC69-00067U	PACKING CASE;V-720UK,SW2,-,-,-,YEL,-,-,- PACKING-CASE;V-710UK,-,-,-,SW2+YEL,-,-	V-710UK
	BY730524	AC69-00067J	PACKING-CASE; V-7100K,-,-,-,-,SW2+YEL,-,-	V-740EG
	BY730525 BY730526	AC69-00067K AC69-00067L	PACKING-CASE;V-740Ed;-,-,-,SW2+YEL;-,-	V-730EG
	BY730520	AC69-00067V	PACKING CASE;V-730Ed;	V-720W
	BY730528	AC69-00067G	PACKING-CASE;V-710W,-,-,-,-,SW2+YEL,-,-,	V-710W
A702	BY730464	AC69-00041A	CUSHION-F/B;M-656/TSB,EPS,-,-,-,-	ALL Models
UT01	BY634283	AC59-00015J	REMOCON-ASSY;-,VT-730EF(70148444),-,-,V-	V-730EF
	BY634276	AC59-00015K	REMOCON-ASSY;-,VT-610EF(70148445),-,-,V-	V-610EF
	BY634290	AC59-00015L	REMOCON-ASSY;-,VT-510EF(70148446),-,-,V-	V-510EF
	BY634291	AC59-00015A	REMOCON-ASSY;-,VT-730UK(70148439),-,-,V-	V-730UK
	BY634292	AC59-00015B	REMOCON-ASSY;-,VT-710UK(70148440),-,-,V-	V-720UK/710UK
	BY634293	AC59-00015F	REMOCON-ASSY;-,VT-730EG(70148436),-,-,V-	V-740EG/730EG
	BY634294	AC59-00015P	REMOCON-ASSY;-,VT-710W(70148449),-,-,V-7	V-720W/710W V-730EF
Y101	BY634282	AC68-00639A	MANUAL USERS;V-730EF/TSB,-,-,-,-,-,-	V-730EF V-610EF
	BY634280	AC68-00640A	MANUAL USERS;V-610EF/TSB,-,-,-,-,-,-	V-510EF
	BY634295	AC68-00641A	MANUAL USERS;V-510EF/TSB,-,-,-,-,-,-,-,- MANUAL USERS;V-730UK/TSB,-,-,-,-,-,-,-	V-730UK
	BY634296	AC68-00648A	MANUAL USERS;V-710UK/TSB,-,-,-,-,-,-,-	V-720UK/710UK
	BY634297	AC68-00649A AC68-00654A	MANUAL USERS;V-740EG/TSB,-,-,-,-,-	V-740EG
	BY634298 BY634298	AC68-00654A	MANUAL USERS;V-740EG/TSB,-,-,-,-,-	V-730EG
	BY634300	AC68-00660A	MANUAL USERS;V-710W/TSB,ENG+ITA,-,-,-	V-720W/710W
Y102	BY634302	AC68-00663A	MANUAL USERS;V-710W/TSB,RUSIA+SPA,-,-,-	V-710W
Y103	BY634253	AC39-00017A	CABLE-ETC-RF(PAL);-,MALE/FEMALE,1200MM,R	ALL Models
- INST	RUMENT	PARTS -		
1	BY730496	AC97-00491A	ASSY-PANEL FRONT;V-730EG ,HIPS 94HB,-	V-730EF
	BY730469	AC97-00520A	ASSY-PANEL FRONT; V-610EF, HIPS 94HB, -	V-610EF
	BY730529	AC97-00521A	ASSY-PANEL FRONT; V-510EF, HIPS 94HB,-	V-510EF
	BY730530	AC97-00522A	ASSY-PANEL FRONT; V-730UK, HIPS 94HB,-	V-730UK
	BY730531	AC97-00763A	ASSY-PANEL FRONT; V-720UK, HIPS 94HB,-	V-720UK V-710UK
	BY730532	AC97-00523A	ASSY-PANEL FRONT; V-710UK, HIPS 94HB,	V-740EG
	BY730533	AC97-00755A	ASSY-PANEL FRONT; V-740EG, HIPS 94HB,-	V-740EG V-730EG
	BY730534	AC97-00524A	ASSY-PANEL FRONT;V-730EG,HIPS 94HB,- ASSY-PANEL FRONT;HIPS 94HB,V-720W/TSB,-	V-720W
	BY730535	AC97-01025A AC97-00525A	ASSY-PANEL FRONT; V-710W, HIPS 94HB,-	V-710W
21	BY730536 BY730484	AC64-00135A	DOOR-CASSETTE;-,ABS94HB BRN,-,-,SILVER	V-730EF
21	BY730460	AC64-00135A	DOOR-CASSETTE:-,ABS94HB BLK,-,-,-,8746D/	V-610EF
	BY730537	AC64-00135C	DOOR-CASSETTE;-,ABS94HB BROWN,-,-,-,SILV	V-510EF
	BY730538	AC64-00135D	DOOR-CASSETTE;-,ABS94HB BROWN,-,-,-,SILV	V-730UK
	BY730539	AC64-00135U	DOOR-CASSETTE;-,ABS94HB BRN,-,-,-,SILVER	V-720UK
	BY730540	AC64-00135E	DOOR-CASSETTE;-,ABS94HB BROWN,-,-,-,SILV	V-710UK
	BY730541	AC64-00135L	DOOR-CASSETTE;-,ABS94HB BRN,-,-,-,SILVER	V-740EG
	BY730542	AC64-00135F	DOOR-CASSETTE;-,ABS94HB BROWN,-,-,-,SILV	V-730EG
	BY730543	AC64-00135W	DOOR-CASSETTE;-,ABS94HB BRN,-,-,-,BLK,-,	V-720W
	BY730544	AC64-00135G	DOOR-CASSETTE;-,ABS94HB BROWN,-,-,-,SILV	V-710W
22	BY730093	AC61-62032A	SPRING-MASK;X-9,-,SUS,-,4.4,-,SV-C130	ALL Models V-730EF/610EF/510EF/730UK/720UK/740EG
101	BY730313	AC64-30899C	CABINET-TOP-ASSY;-,PCM(SECC),-,0.525,380	V-730EF/610EF/510EF/7300K/7200K/740EG V-710UK/710W
	BY730312	AC64-30899B	CABINET-TOP;V-629G/TSB,PCM MD552,SECC,T0	V-730EG/720W
	BY730314	AC64-30899D	CABINET-TOP-ASSY;-,PCM(SECC),-,0.525,380 COVER-BOTTOM;SV-C140F,SECC,387.7X197.6,T	ALL Models
102	BY730280	AC63-32128A	SCREW-BH;-,BH,-,4*12,FE,FZY,-,-,-	ALL Models
153	70790218 70790082	AC60-12126A AC60-12134A	SCREW-TAP BH;-,BH,-2-4X16,-,FE	ALL Models
155	BY730204	AC60-00001A	SCREW-MACHINE;-,BH,*,4X12,M4,L12,BLK,SMC	ALL Models
156 157	70790002	AC60-10063A	SCREW-TAPTITE;BH,+,-,M3,L12,ZPC3,SWRCH18	ALL Models
200	BY634124	AC39-10019A	POWER CORD;KKP-419C,H03VVH2-F,VDE/KEMA-K	"EF/EG/W" Models Only
200	BY634126	AC39-12022K	POWER-CORD;Y352160,H03VVH2-F,-,BS6500,1.	"UK" Models Only
CN3A1S	BY634118	3809-001111	CABLE-FLAT;30V,80C,130mm,7P,1.25mm,UL289	ALL Models
CN602A	BY634007	3809-001049	CABLE-FLAT;30V,80C,100MM,5P,1.25MM,UL289	ALL Models
LD601S	BY730082	AC61-21009A	HOLDER-LED;-,POM(M90-44),-,BLK,-,X-9	ALL Models
S601S	BY730080	AC61-21008A	HOLDER-SENSOR;-,POM(M90-44),-,BLK,-,X-9	ALL Models
S602S	BY730080	AC61-21008A	HOLDER-SENSOR;-,POM(M90-44),-,BLK,-,X-9	ALL Models
TM401B	BY730219	AC61-11061A	CONNECTOR BOARD-ASSY;SV-C140F,HIPS94,HB,	"EF" Models Only
	BY730221	AC61-11061C	CONNECTOR BOARD-ASSY;V-629F/TSB,HIPS94,H	"UK" Models Only "EG/W" Models Only
	BY730220	AC61-11061B	CONNECTOR BOARD-ASSY;V-629G/TSB,HIPS94,H	Ed/ VV IVIOLETS Office

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Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
- MEC	HIANICAL	PARTS -		
B238	BY730087	AC61-50660A	SLEEVE-TENSION;-,POM M90-44,-,-,ID3,-,-,	
B239	BY730234	AC61-21004A	CAP-#8 GUIDE;-,POM M90-44,-,NTR,-,X-9	
B257	BY730247	AC61-50661A	POST-MAIN PCB;-,POM M90-44,-,-,NTR,-,X-9	
B258 B410	BY730266 BY730456	AC61-50684A	GUIDE-MAIN PCB;-,POM,OD7,L20,-,BLACK,X-9	
B440	BY730072	AC31-12016D AC60-10515A	MOTOR-LOADING ASSY;-,SNHNE,-,- SCREW-MACHINE;-,PH,+,-,M3,L3,ZPC,-,YEL	
B444	BY730104	AC66-20571A	GEAR-WORM;-,POM SW-01,0.5,2,-,4.5,X-9	
B446	BY730079	AC61-21005A	HOLDER-WORM;-,POM M90-44,-,-,-,X-9	
B448	BY730105	AC66-20573A	GEAR-WORM WHEEL;-,POM SW-01,0.6,11,-,6.6	
B452 B456	BY730107 BY730108	AC66-20575A	GEAR-FL CAM;-,POM SW-01,M0.6,Z88,-,PCD58	
B458	BY730106	AC66-20576A AC66-20574A	GEAR-JOINT 1;-,POM SW-01,M1.0,Z22,-,PCD2 GEAR-JOINT 2;-,POM SW-01,M1.0,Z14,-,PCD1	
B460	BY730447	AC61-11045A	BRACKET-GEAR;-,SECC20/20,-,T1.2,-,-,X-9	
B462	BY730073	AC60-10517A	SCREW-TAP TITE;-,PH,+,-,M2.6,L5,ZPC,-,YE	
B464	BY730381	AC66-80140A	SLIDER-CAM;-,SECC20/20,T1.2,-,-,X-9	
B468 B473	BY730450 BY730090	AC66-30541A	LEVER-PINCH DR ASSY;-,-,-,-,X-9	
B473	BY730244	AC61-60559A AC61-30180A	SPRING-PINCH DRIVE;-,TS,SUS304,PI0.5,OD4 PLATE-JOINT;-,SECC20/20,T0.8,-,X-9	
B478	BY730449	AC66-30540A	LEVER-TENS DR ASSY;-,-,-,-,X-9	
B484	BY730110	AC66-20580A	GEAR-LOADING DRIVE;-,POM SW-01,M1.0,Z32,	
B488	BY730117	AC66-30543A	LEVER-S LOAD ASSY;-,-,-,-,X-9	
B500	BY730116	AC66-30542A	LEVER-T LOAD ASSY;-,-,-,-,X-9	
B560 B570	BY730455 BY730071	AC31-00005A AC60-10514A	MOTOR-CAPSTAN; -,F2QSB02,-,-	
G001	BY730471	AC97-00566A	SCREW-CAPSTAN;-,PH,+,M2.6,L6,- ASSY-CYLINDER;CX-9T,SECAM,6HD	"EF" Models
	BY730545	AC97-00551A	ASSY-CYLINDER;CX-9T,PAL,6HD	"UK/EG/W" Models
G420	BY730124	AC66-80142A	SLIDER-SUPPLY ASSY;-,X-9(TS),-,-,X-9	Sity Edy VV TVIOLETS
G428	BY730451	AC66-40153A	ROLLER-SUPPLY ASSY;-,VW-32,OD7,-,X-9	
G450	BY730123 BY730452	AC66-80141A	SLIDER-TAKE UP ASSY;-,X-9(TS),-,-,-,X-9	
G458 G480	BY730452 BY730052	AC66-40154A AC33-00003A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,X-9	
G510	BY730479	6006-001075	SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC(	
G520	BY730115	AC66-30539A	LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,-,X-9	
G527	BY730088	AC61-60553A	SPRING-#9 GUIDE;-,ES,SUS304-WPB,OD3.1,0.	
G530	BY730053	AC33-00002A	HEAD-FE;-,HVFHP0038A,-,-,-,X-9	
G532 G542	BY730075 BY730122	AC60-10519A AC66-60051A	SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC	
G546	BY730113	AC66-30535A	BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,-,BLK,X-9	
G555	BY730070	AC59-90403A	UNIT-PINCH ASSY;X-9,-	
G680	BY730372	AC66-30557A	LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-,	
K110	BY730102	AC66-10267A	REEL-DISK S;-,POM M90-44,-,-,X-9	
K140 K180	BY730103 BY730369	AC66-10268A AC66-30548A	REEL-DISK T;-,POM M90-44,-,-,X-9	
K182	BY730112	AC66-30524A	LEVER-IDLER ASSY;-,POM+NYLON,-,-,-,X-9 LEVER-IDLER;-,POM9044,-,-,-,-	
K188	BY730109	AC66-20577A	GEAR-IDLER;-,PEBAX 7033,-,-,-,X-9	
K200	BY730084	AC61-21012A	HOLDER-CLUTCH ASSY;-,-,-,-,X-9	
K221	BY730111	AC66-20581A	GEAR-CENTER ASSY;-,POM,M=0.5,-,HIGHT T.,	
K222 K225	BY730076 BY730119	AC60-30306A	WASHER-SLIT;-,-,ID2.1,OD5.0,T0.5,-,POLYS	
K240	BY730114	AC66-30547A AC66-30538A	LEVER-UP DOWN ASSY;-,POM+SUS,-,-,-,X-9 LEVER-TENSION ASSY;-,X-9(TS),-,-,-,X-9	
K248	BY730089	AC61-60554A	SPRING-TENSION LEVER;-,ES,SUS304-WPB,OD3	
K250	BY730094	AC63-12029A	BAND-BRAKE ASSY;-,X-9(TS),-,-,-,X-9	
K330	BY730121	AC66-30550A	LEVER-S.BRAKE ASSY;-,POM+SUS,-,-,-,X-9	
K340 K350	BY730120 BY730092	AC66-30549A AC61-60564A	LEVER-T.BRAKE ASSY;-,POM+SUS,-,-,-,X-9	
K470	BY730454	AC66-80139A	SPRING-BRAKE;-,TENSION,SWP-A,0.25,3,-,X- SLIDER-FL DRIVE;-,SECC E20/20,T1.2,-,-,X	
K490	BY730083	AC61-21010B	HOLDER-CASS ASSY;-,SECC+POM+SUS,-,-,SEIN	
K502	BY730091	AC61-60561A	SPRING-FL.LEVER-LR;-,ES,SUS304 WPB,PI2.7	
K530	BY730118	AC66-30546A	LEVER-FL.ARM ASS'Y;-,SECC+POM+SUS,-,-,-,	
K546	BY730086	AC61-50658A	Guide-Cass. Door;-,pom m90-44,-,-,ntr,-,	
- FLFC	TRICAL PA	RTS -		
601	BY630098	AC92-00305A	ASSY-PCB-MAIN;V-730EF/TSB,HI-FI	V 70055
551	BY630088	AC92-00305A AC92-00306A	ASSY-PCB-MAIN;V-610EF/TSB,HI-FI	V-730EF V-610EF
	BY630108	AC92-00307A	ASSY-PCB-MAIN;V-510EF/TSB,HI-FI	V-510EF
	BY630109	AC92-00313A	ASSY-PCB-MAIN;V-730UK/TSB,HI-FI	V-730UK
	BY630110	AC92-00314A	ASSY-PCB-MAIN;V-710UK/TSB,HI-FI	V-720UK/710UK
	BY630111 BY630112	AC92-00321A AC92-00310A	ASSY-PCB-MAIN;V-730EG/TSB,HI-FI ASSY-PCB-MAIN;V-710W/TSB,HI-FI	V-740EG/730EG V-720W/710W/
602	BY630092	AC92-00510A AC92-00504A	ASSY-PCB-SUB;SV-633F,V-730EF,A2/NICAM	V-720W/710W
701	BY630099	AC92-00325A	ASSY-PCB-VFD-AVLINK;V-730EF/TSB,VFD-AVLI	V-730EF/730UK/740EG/730EG
	BY630090	AC92-00324A	ASSY-PCB-VFD-Only;V-610EF/TSB,VFD-Only	V-610EF
702	BY630113 BY630100	AC92-00509A	ASSY-PCB-VFD;V-510EF,V-720UK,VFD-Only,TS	V-510EF/720UK/710UK/720W/710W
/ 02	BY630114	AC92-00326A AC92-00428A	ASSY-PCB-F/AV-SRC;V-730EF/TSB,F/AV-SRC ASSY-PCB-SRC;V-610EF/TSB,SRC Only	V-730EF/740EG/730EG V-610EF
	BY630078	AC92-00091A	ASSY-PCB-SUB;V-729EG/TSB,CBC2	V-010EF V-730UK
	BY630115	AC92-00454A	ASSY-PCB-F/AV;V-W57H/TSB,F/AV-HIFI	V-720W/710W

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Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
<interg< td=""><td>GRATED CIRCUIT</td><td>TS&gt;</td><td></td><td></td></interg<>	GRATED CIRCUIT	TS>		
IC1SF1	BY631087	1203-001802	IC-PWM CONTROLLER;STR-G6551,TO-220F,5P,-	
IC1SS1	BY530004	0604-001028	PHOTO-COUPLER;TR,50-600%,250mW,DIP-4,ST	$\triangle$
IC1SS2	BY631008	AC14-12006D	IC;KA431Z,TO-92,TAPING	
IC301	BY631049	1204-001649	IC-VIDEO PROCESS;LA71598M,QFP,100P,-,PLA	
IC3S01	BY631062	1204-001437	IC-CHROMA;LA7359,DIP,28P,400MIL,PLASTIC,	"EF" Models Only
IC4N01	BY631063	1204-001516	IC-AUDIO PROCESSOR;MSP3417D,DIP,52P,551M	
IC501	BY631023	1204-001479	IC-AUDIO PROCESSOR;LA72634AM,QFP,64P,400	WEE WE ON A A A A O A
IC601	BY631092	AC09-00109A	IC-MICOM;uPD784927GF-155-3BA,784927GF-1	"EF/EG" Models Only
IC601	BY631098	AC09-00105A	IC-MICOM;uPD784927GF-156-3BA,784927GF-1	"UK" Models Only
IC601	BY631099	AC09-00107A	IC-MICOM;uPD784927GF-158-3BA,784927GF-1	"W" Models Only
IC602 IC604	BY631022 70795269	1003-001162 AC14-12006C	IC-MOTOR DRIVER;KA3082,SIP,10PIN,25MIL,D IC;KA7533,DIP,-	
IC604	BY631082	1103-001150	IC-EEPROM;24C081,8KBIT,DIP,8P,300MIL,10M	
1C603	BY631059	1203-001130	IC-VOL. DETECTOR;7042,TO-92,3P,177MIL,PL	
IC6P01	BY631068	AC09-12014Z	IC-MCU;LC74776M,30P,MFP,OSD/VPS/PDC I	
IC6P01	BY631066	AC09-10459G	IC-MCU;LC74789YJM-9771,24P,MFP,OSD IC	V-510EF Only
IC6P01	BY631100	AC09-00115A	IC-OSD;LC74759JM-9792,LC74759JM-9792,	"W" Models Only
IC701	BY631094	AC09-00092A	IC MCU;uPD780232GC-014-8BT,uPD780232G	
IC801	BY631064	1205-001484	IC-SWITCH;LA7147M,SOP,36PIN,375MIL,PLAST	
	70603265	0501 000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Ω1P101 Ω1P102	70693265 70693265	0501-000616 0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,TW,TU-92L TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Q1P102 Q1P103	70693265 70693265	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,TW,TO-92L	
Q1P103	70693265	0501-000610	TR-SMALL SIGNAL;KSQ2326A-1;NFN,TW,TO-92L	
Q1P105	70795137	0504-000116	TR-DIGITAL;KSR1001,NPN,300MW,4.7K/4.7K,T	
Q1P106	70795142	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400MW,T0-9	
Q1P107	70795818	0501-000290	TR-SMALL SIGNAL; KSA643-Y, PNP, 500mW, TO-92	
Q1P110	70795137	0504-000116	TR-DIGITAL;KSR1001,NPN,300MW,4.7K/4.7K,T	
Q1P111	70693084	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	
Q1P112	70795818	0501-000290	TR-SMALL SIGNAL;KSA643-Y,PNP,500mW,TO-92	
Q1P114	70693265	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Q1P115	70693084	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	
Q1P116	70795136	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,T0-92,T	
Q1P117	70795142	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400MW,T0-9	
Q302	70795134	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,T0-92,T TR-SMALL SIGNAL;KSC945,NPN,250mW,T0-92,T	
Ω303 Ω304	70795136 70795136	0501-000398 0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
0308	70795136	0501-000338	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q309	70795136	0501-000338	TR-SMALL SIGNAL;KSC945,NPN,250mW,T0-92,T	
Q3A01	70795134	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q3A03	70795142	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400MW,T0-9	
Q3A04	70795142	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400MW,T0-9	
Q3A05	70795142	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400MW,T0-9	
Q3A06	70795134	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q3D01	70795142	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400MW,T0-9	
Q3D02	70693084	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	
Q3D03	BY530014	0504-000119	TR-DIGITAL;KSR1004,NPN,300MW,47K/47K,TO-	"EF" Models Only
Q3S01	70795134	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,T0-92,T TR-SMALL SIGNAL;KSC945,NPN,250mW,T0-92,T	"EF" Models Only
Q3S02	70795136 70693084	0501-000398 0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	"EF" Models Only
Q3S03 Q3S04	70795136	0504-000142	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	"EF" Models Only
Q3S05	70795136	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	"EF" Models Only
Q602	70795136	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	,
Q6B01	70795136	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	V-730EF/610EF/730UK/740EG/730EG Only
Q6B03	70795136	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,T0-92,T	V-730EF/610EF/730UK/740EG/730EG Only
Q6B04	70795136	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,T0-92,T	V-730EF/610EF/730UK/740EG/730EG Only
Q6P01	70795134	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q6P02	70795134	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q6P03 Q701	70795134	0501-000303 0504-000142	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	
U/U1	70693084	0504-000142	Th-DIGITAL, N3N2001, FINF, 300(VIVV, 4.7 N, 4.7 N, 1	
<diodes< td=""><td><i>S&gt;</i></td><td></td><td></td><td></td></diodes<>	<i>S&gt;</i>			
D1P101	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1P103	70796385	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D1P105	70796385	0402-000127	DIODE-RECTIFIER; 1N4002, 100V, 1A, DO-41, TP	
D1P108	70796385	0402-000127	DIODE-RECTIFIER; 1N4002, 100V, 1A, DO-41, TP	
D1P109	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35, DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1P110 D1P111	70795150 70795150	0401-000101 0401-000101	DIODE-SWITCHING; TN4148, 100V, 200mA, DO-35, DIODE-SWITCHING; 1N4148, 100V, 200mA, DO-35,	
D1P111	70796385	0407-000101	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D1P114	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1P115	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1P117	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1P119	70796385	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D1P120	70796385	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D1P125	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1SD11	BY430011	0402-001195	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	

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Loc.No.	TSB Parts No.	Reference No.	Description; Specification	Remark
D1SD31	BY430011	0402-001195	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	
D1SD32	BY430011	0402-001195	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	
D1SF05 D1SF12	BY430012 BY430011	0402-001196 0402-001195	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	
D1SS01	BY430012	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SS02	BY430012	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SS03	BY430012	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SS04 D1SS11	BY430012 BY430008	0402-001196 0402-000276	DIODE-RECTIFIER;175,600V,1A,TS-1,TP	
D1SS31	BY430011	0402-000276	DIODE-RECTIFIER;UF4007,1KV,1A,DO-41,TP DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	
D1SS32	BY430010	0402-001194	DIODE-RECTIFIER;UG2D,200V,2A,DO-204AC,TP	
D1SS33	BY430065	0404-001069	DIODE-SCHOTTKY;B10A45VI,45V,10A,TO-220IS	
D1SS44 D302	BY430011 70795150	0402-001195 0401-000101	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	
D3S02	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,D0-35, DIODE-SWITCHING;1N4148,100V,200mA,D0-35,	"EE" Modele Only
D401	70796385	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	"EF" Models Only
D4N01	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D4N02 D603	70795150 70795150	0401-000101 0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D604	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,D0-35, DIODE-SWITCHING;1N4148,100V,200mA,D0-35,	
D605	70796385	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,D0-41,TP	
D611	70796385	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D620 D701	70796385 70795150	0402-000127 0401-000101	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D701	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35, DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D702	BY430014	0403-001141	DIODE-ZENER;MTZJ24D,24V,23.63-24.85V,500	
D703	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D704 D705	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D705 D706	70795150 70795150	0401-000101 0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35, DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D706	BY430004	0403-000509	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
D707	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D708 D709	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D709 D805	70795150 70795150	0401-000101 0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35, DIODE-SWITCHING;1N4148,100V,200mA,DO-35.	
LD601	BY430016	0601-000517	LED-IR;RECTANGULA,4x6.0mm,75mW,6V,950	
LD6B01	70796042	0601-000494	LED-IR;ROUND,5mm,140mW,5V,940nm,-	
LD701	70796042	0601-000494	LED-IR;ROUND,5mm,140mW,5V,940nm,-	
LD702 LD703	70796042 BY430066	0601-000494 0601-001201	LED-IR;ROUND,5mm,140mW,5V,940nm,- LED;ROUND,RED,3mm,635nm	
W167	70795150	0401-001201	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
W532	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
ZD1P01	BY430015	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
ZD1P02 ZD1P03	BY430005 BY430013	0403-000717 0403-000720	DIODE-ZENER;MTZJ5.1B,5.1V,4.94-5.2V,500m DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
ZD1P06	BY430015	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
ZD401	70795272	0403-000390	DIODE-ZENER;UZP33B,33V,31.4-34.6V,1W,DO-	
<induct< td=""><td>TORS&gt;</td><td></td><td></td><td></td></induct<>	TORS>			
BD1SD1	70795644	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	
BD1SF1	70795644	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-	
BD1SF3	70795644	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-	
BD1SR1 BD1SS2	BY330003 70795644	3301-000297 AC27-92001M	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400, INDUCTOR;70UH-M RT BFS3565R2F,-,-,-	
BD1SS3	70795644	AC27-92001M AC27-92001M	INDUCTOR,700H-M RT BFS3565R2F,-,-,-	
FL3A01	BY330004	AC27-80100A	COIL-OSC;126QN-K5272YHC=K,-,AM	
FL3D01	BY330055	AC27-82001C	COIL-BIAS OSC;B02,W(TOKO)VX1850,-	
L1SS02 L1SS31	BY634272 70796213	AC29-00002A AC27-12001N	FILTER LINE NOISE;-,30mH,-,-,BLF-2116 COIL-CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-	Å
L1SS32	70796213	AC27-12001N	COIL-CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-	
L301	70795841	2701-000206	INDUCTOR-AXIAL;56uH,5%,2.4x3.4mm	
L302	70796003	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L304 L305	70796003 70796003	2702-000106 2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L306	70796361	2701-000119	INDUCTOR-AXIAL;120uH,5%,2.4x3,4mm	
L310	70796003	2702-000106	INDUCTOR-RADIAL,100uH,10%,6.2x7.4mm	
L3A01	70795171	2702-000120	INDUCTOR-RADIAL;15mH,5%,6.2x7.4mm	
L3A02 L3A03	BY330009 70796003	2701-000002 2702-000106	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L3D01	BY330009	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L3S01	70796003	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	"EF" Models Only
L3S02 L3S03	70795863 BY330052	2702-000179 2701-000165	INDUCTOR-RADIAL;6.8uH,5%,6x6.4mm	"EF" Models Only
L3S04	70795843	2701-000165	INDUCTOR-AXIAL;27uH,5%,2.4x3.4mm INDUCTOR-AXIAL;47uH,5%,2.4x3.4mm	"EF" Models Only "EF" Models Only
L3S05	70795162	2701-000160	INDUCTOR-AXIAL;22uH,5%,2.4x3.4mm	"EF" Models Only
L401	BY330009	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	,
L402 L4N01	BY330003 70796075	3301-000297 2701-000188	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400, INDUCTOR-AXIAL;4.7uH,5%,2.4x3.4mm	
L4N02	BY330009	2701-000100	INDUCTOR-AXIAL;1:00uH,10%,4.2x9.8mm	

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Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
L4N03	70796075	2701-000188	INDUCTOR-AXIAL;4.7uH,5%,2.4x3.4mm	
L4N04	BY330003	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
L502	70796003	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L503	70796003	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L601	BY330009	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L603	BY330009	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L604	BY330009	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L605	BY330009	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	V 720FF (610FF /720LIV /740FC /720FC O-L.
L6B01 L6B02	BY330009 BY330009	2701-000002 2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	V-730EF/610EF/730UK/740EG/730EG Only
L6P03	70795162	2701-000002	INDUCTOR-AXIAL, 100dH, 10 %,4.2x9.8Hilli INDUCTOR-AXIAL;22uH,5%,2.4x3.4mm	
L6P04	BY330054	2701-000100	INDUCTOR-AXIAE,22011,5 %,2.4x3.411111 INDUCTOR-AXIAE,5.6uH,5%,2.4x3.411111	
L6P05	BY330052	2701-000261	INDUCTOR-AXIAL;27uH,5%,2.4x3.4mm	
L701	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	V-730EF/730UK/740EG/730EG/720W/710W Only
L702	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	V-730EF/730UK/740EG/730EG/720W/710W Only
L702	BY330009	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	,
L801	BY330009	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L802	BY330009	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L803	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L804	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L805	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	"UK" Models Not used
L806	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	"UK" Models Not used
L807	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L808	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L809	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L810	BY330053	2701-000181 2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L811	BY330053 BY330053		INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L812 L813	70795644	2701-000181 AC27-92001M	INDUCTOR-AXIAE,33uH,3%,2.4x3.411111 INDUCTOR;70UH-M RT BFS3565R2F,-,-,-	
L814	70795644	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-	
L014	70733044	AG27-320011VI	1145001011,70011 W 111 51 333031121, , , ,	
<capac< td=""><td></td><td>2404 200005</td><td>0 AL 47 F000/ 05/40DTD0 0 5 5</td><td></td></capac<>		2404 200005	0 AL 47 F000/ 05/40DTD0 0 5 5	
C1P101	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5mm	
C1P102	BY130049	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C1P103	BY130042 BY130136	2401-000598 2401-002299	C-AL;1uF,20%,50V,GP,TP,4x7,5 C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C1P104 C1P105	BY130282	2401-002299	C-AL;47uF,20%,36V,GF,TF,5x7,5	
C1P106	BY130282	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C1P107	BY130282	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C1P108	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5mm	
C1P110	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C1P114	BY130042	2401-000598	C-AL, 1uF, 20%, 50V, GP, TP, 4x7, 5	
C1P115	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C1P116	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C1SD03	BY130219	2201-000812	C-CERAMIC,DISC;2.2nF,20%,400V,Y5U,BK,12.	
C1SD04	BY130219	2201-000812	C-CERAMIC,DISC;2.2nF,20%,400V,Y5U,BK,12.	
C1SD11	BY130283	2401-003302	C-AL;47uF,20%,400V,GP,TP,18X31.5,7.	
C1SD12	BY130226	2305-001029	C-FILM,MPEF;10nF,10%,630V,TP,12x9x12.5,5	
C1SD13	70795070	2201-000376	C-CERAMIC,DISC;0.22nF,5%,50V,SL,TP,6.3x3	
C1SF12	BY130296	2401-001200	C-AL;33uF,20%,50V,WT,TP,6.3x11,5	$\Lambda$
C1SS01	BY130272	2305-001021	C-FILM,MPEF;100nF,20%,275V,TP,17.5x7x13.	<u> </u>
C1SS02	BY130272	2305-001021 2201-000129	C-FILM,MPEF;100nF,20%,275V,TP,17.5x7x13. C-CERAMIC,DISC;0.1nF,10%,1kV,Y5P,TP,7x4,	717
C1SS12 C1SS31	BY130258 70795431	2401-000129	C-AL;10uF,20%,100V,GP,TP,6.3x11,5	
C1SS32	BY130281	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	
C1SS33	BY130251	2401-003040	C-AL;330UF,20%,25V,LZ,TP,10X12.5MM,	
C1SS34	BY130338	2401-003478	C-AL;100UF,20%,25V,LZ,TP,8X11.5MM,5	
C1SS35	BY130339	2401-003480	C-AL;1000UF,20%,10V,LZ,TP,10X16MM,5	
C1SS36	BY130015	2401-001479	C-AL,470uF,20%,10V,GP,-,-,TP	
C1SS37	BY130281	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	
C1SS38	BY130015	2401-001479	C-AL;470uF,20%,10V,GP,-,-,TP	
C1SS39	70796098	2301-000129	C-FILM,PEF;100nF,5%,50V,TP,10X9X4.3X5,5m	
C1SS40	70796389	2301-000381	C-FILM,PEF;10nF,5%,50V,TP,6.5x5.5x3mm,5m	
C301	70795769	2401-001919	C-AL;2.2UF,20%,50V,-,TP,4X7MM,5	
C302	BY130024	2301-000283	C-FILM,PEF;47nF,5%,100V,TP,7.3X7X3.2X5,5	
C303	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C304	70795080	2202-000216	C-CERAMIC,MLC-AXIAL;.027NF,5%,50V,SL,TP, C-CERAMIC,MLC-AXIAL;.18NF,10%,50V,Y5P,TP	
C305	70697011 BY130263	2202-000164 2202-000231	C-CERAMIC,MLC-AXIAL; 18NF, 10%,50V, Y5P, TP C-CERAMIC,MLC-AXIAL; 330pF,10%,50V,Y5P,TP	
C306 C307	70795076	2202-000231	C-CERAMIC,MLC-AXIAL,330pr, 10%,30V, 13F, 1F	
C308	70795075	2202-000102	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C309	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C310	BY130273	2401-000414	C-AL,10uF,20%,16V,GP,TP,4x7,5	
C311	70699092	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
C312	BY130069	2202-000121	C-CERAMIC,MLC-AXIAL,100pF,10%,50V,Y5P,TP	V-730EF/730UK/740EG/730EG/720W/710W Only
C313	BY130262	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	
C314	BY130278	2401-001775	C-AL;470nF,20%,50V,GP,TP,4x7,5	
C315	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C316	BY130167	2202-002055	C-CERAMIC,MLC-AXIAL;47nF,+80-20%,50V,Y5V	

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Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
C318	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C320	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C321	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C322	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C323 C324	70795075 70795075	2202-000797	C-CERAMIC, MLC-AXIAL; 10NF, 30%, 16V, Y5S, TP,	
C325	70795075	2202-000797 2202-000797	C-CERAMIC, MLC-AXIAL; 10NF, 30%, 16V, Y5S, TP,	
C326	BY130027	2202-000737	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP, C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C327	BY130282	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C328	70795075	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,Y5S,TP,	
C329	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C330	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C331 C332	BY130282	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C333	BY130027 BY130042	2202-002037 2401-000598	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V C-AL;1uF,20%,50V,GP,TP,4x7,5	
C334	70693249	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
C335	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C336	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C337	70693249	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
C338	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C339 C340	BY130167 70693249	2202-002055 2202-000807	C-CERAMIC,MLC-AXIAL;47nF,+80-20%,50V,Y5V	
C340	BY130282	2401-003107	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V C-AL;47uF,20%,16V,GP,TP,5x7,5	
C342	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C343	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C345	BY130260	2201-002031	C-CERAMIC,DISC;0.005nF,0.5pF,50V,NP0,TP,	
C346	BY130282	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C347	BY130173	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
C348 C349	BY130173 BY130265	2202-000286 2202-000849	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1. C-CERAMIC,MLC-AXIAL;18pF,5%,50V,CH,TP,3.	
C350	70795075	2202-000645	C-CERAMIC,MLC-AXIAL, 16PF, 5%, 50V, CH, 1F, 3. C-CERAMIC,MLC-AXIAL; 10NF, 30%, 16V, Y5S, TP,	
C360	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	V-730EF/730UK/740EG/730EG/720W/710W Only
C380	70795616	2202-000243	C-CERAMIC,MLC-AXIAL;33pF,5%,50V,SL,TP,3.	**************************************
C381	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C390	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C399 C3A01	BY130027 70795626	2202-002037 2401-003122	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C3A02	BY130027	2202-002037	C-AL;4.7uF,20%,50V,LL,TP,4X7,1.5 C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C3A04	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C3A07	70796389	2301-000381	C-FILM,PEF;10nF,5%,50V,TP,6.5x5.5x3mm,5m	
C3A08	BY130041	2301-001014	C-FILM,PEF;6.8nF,5%,50V,TP,7x3x6,5mm	
C3A09	BY130041	2301-001014	C-FILM,PEF;6.8nF,5%,50V,TP,7x3x6,5mm	
C3A10 C3A11	BY130085 70693281	2301-000314 2301-000392	C-FILM,PEF;8.2nF,5%,50V,TP,6.5x3.0x5.5mm C-FILM,PEF;15nF,5%,50V,TP,6.5x8.5x3.2mm,	
C3A11	BY130282	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C3A13	BY130269	2301-000161	C-FILM,PEF;12nF,5%,50V,TP,6.5X5.5X3.0X5,	
C3A14	BY130041	2301-001014	C-FILM,PEF;6.8nF,5%,50V,TP,7x3x6,5mm	
C3A15	70796389	2301-000381	C-FILM,PEF;10nF,5%,50V,TP,6.5x5.5x3mm,5m	
C3A16	BY130136	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C3A17 C3A18	70699092 70795094	2401-000918 2301-000402	C-AL;22uF,20%,16V,GP,-,6.3x7,5 C-FILM,PEF;1nF,5%,50V,TP,5x7x2.8mm,5mm	
C3A21	BY130267	2301-000402	C-FILM,PEF;2.2nF,5%,50V,TP,5.5X7X3,5mm	
C3A23	BY130250	2401-002068	C-AL;33uF,20%,16V,GP,TP,5x11,5	
C3A24	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C3A25	70699092	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
C3A29	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C3A30 C3D01	BY130049 BY130024	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C3D01	BY130024 BY130049	2301-000283 2401-002144	C-FILM,PEF;47nF,5%,100V,TP,7.3X7X3.2X5,5 C-AL:47uF.20%,16V.GP,TP.5x11.5	
C3D02	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C3D04	70699067	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
C3D05	70796389	2301-000381	C-FILM,PEF;10nF,5%,50V,TP,6.5x5.5x3mm,5m	
C3S01	70697011	2202-000164	C-CERAMIC,MLC-AXIAL; 18NF,10%,50V,Y5P,TP	"EF" Models Only
C3S02 C3S03	70795769 70796389	2401-001919 2301-000381	C-AL;2.2UF,20%,50V,-,TP,4X7MM,5	"EF" Models Only
C3S04	70796389	2301-000381	C-FILM,PEF;10nF,5%,50V,TP,6.5x5.5x3mm,5m C-FILM,PEF;10nF,5%,50V,TP,6.5x5.5x3mm,5m	"EF" Models Only "EF" Models Only
C3S05	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	"EF" Models Only
C3S06	70795363	2202-000791	C-CERAMIC,MLC-AXIAL,150pF,10%,50V,Y5P,TP	"EF" Models Only
C3S07	BY130049	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	"EF" Models Only
C3S08	BY130027	2202-002037	C-CERAMIC, MLC-AXIAL; 100nF, 80-20%, 50V, Y5V	"EF" Models Only
C3S09 C3S11	70795075 70795075	2202-000797 2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP, C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	"EF" Models Only "EF" Models Only
C3S11	BY130278	2401-001775	C-AL;470nF,20%,50V,GP,TP,4x7,5	"EF" Models Only
C3S14	BY130262	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	"EF" Models Only
C3S15	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	"EF" Models Only
C3S17	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	"EF" Models Only
C3S19 C3S20	70795070 BY130082	2201-000376 2301-000224	C-CERAMIC,DISC;0.22nF,5%,50V,SL,TP,6.3x3 C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm,5	"EF" Models Only
C3S20	BY130082 BY130042	2401-000224	C-AL;1uF,20%,50V,GP,TP,4x7,5	"EF" Models Only "EF" Models Only
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Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
C3S22	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	"EF" Models Only
C3S23	70693492	2201-000941	C-CERAMIC,DISC;51pF,5%,50V,SL,TP,5x3,5	"EF" Models Only
C3S25	70693215	2202-000787	C-CERAMIC,MLC-AXIAL,10PF,5%,50V,Y5P,TP,3	"EF" Models Only
C3S26	70795729	2201-000681	C-CERAMIC,DISC;0.082nF,5%,50V,SL,TP,5x3,	"EF" Models Only
C3S27	70693237	2202-000825	C-CERAMIC,MLC-AXIAL;680pF,10%,50V,Y5P,TP	"EF" Models Only
C402	70693249	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
C403	BY130049	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C404	70795123	2401-001085	C-AL;330NF,20%,50V,GP,-,5X9,2MM	
C405	BY130281	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	
C407	BY130049	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C410	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C4N01	70795338	2202-000848	C-CERAMIC,MLC-AXIAL;1.5NF,30%,50V,Y5S,TP	
C4N02	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C4N03	70693317	2202-000806	C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
C4N04	BY130274	2401-000661	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
C4N05	70795585	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C4N06	70795585	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C4N07 C4N08	BY130172 70795338	2202-000263 2202-000848	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP C-CERAMIC,MLC-AXIAL;1.5NF,30%,50V,Y5S,TP	
C4N09	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C4N03	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C4N11	BY130279	2401-002062	C-AL;3.3UF,20%,50V,GP,TP,5X11,2.5	
C4N12	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C4N13	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C4N14	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C4N15	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C4N16	BY130049	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C4N17	BY130172	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP	
C4N18	BY130172	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP	
C4N19	70693047	2202-000279	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	
C4N21	BY130261	2201-002069	C-CERAMIC,DISC;1.5pF,0.25pF,50V,NPO,TP,4	
C4N22	BY130261	2201-002069	C-CERAMIC,DISC;1.5pF,0.25pF,50V,NPO,TP,4	
C4N23	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C4N24	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C4N25	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL,100nF,80-20%,50V,Y5V	
C501	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C502	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C503	70699092	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
C504	BY130136	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C505	70796389	2301-000381	C-FILM,PEF;10nF,5%,50V,TP,6.5x5.5x3mm,5m	
C506	70699092	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
C507	70699092	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
C508	70699067	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
C509	BY130270	2301-000423	C-FILM,PEF;3.3NF,5%,100V,TP,7X10X4.5MM,5	
C510	BY130049	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C511	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C512	BY130266	2202-000863	C-CERAMIC,MLC-AXIAL;560pF,10%,50V,Y5P,TP	
C513	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C514	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C515	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C516	BY130270	2301-000423	C-FILM,PEF;3.3NF,5%,100V,TP,7X10X4.5MM,5 C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
C517	70699067	2301-000445		
C518	70699092 70796389	2401-000918 2301-000381	C-AL;22uF,20%,16V,GP,-,6.3x7,5	•
C519 C520	70796389 BY130136	2401-000381 2401-002299	C-FILM,PEF;10nF,5%,50V,TP,6.5x5.5x3mm,5m C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C520 C521	70699092	2401-002299	C-AL,4.7uF,20%,50V,GF,1F,5x7,5 C-AL;22uF,20%,16V,GP,-,6.3x7,5	·
C521	BY130042	2401-000518	C-AL,22uF,20%,16V,GF,-,6.3x7,5 C-AL:1uF,20%,50V,GP,TP,4x7,5	
C522	BY130042 BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C523	BY130136	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C525	BY130136	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C526	BY130280	2401-002255	C-AL;100uF,20%,36V,GP,TP,6.3x7,5	
C527	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C529	BY130047	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C530	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C531	BY130136	2401-002299	C-AL,4.7uF,20%,50V,GP,TP,5x7,5	
C532	BY130136	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C601	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL,100nF,80-20%,50V,Y5V	
C602	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL,100nF,80-20%,50V,Y5V	
C603	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5mm	
C604	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C605	70795075	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,Y5S,TP,	
C607	BY130278	2401-001775	C-AL;470nF,20%,50V,GP,TP,4x7,5	
C608	BY130131	2401-002259	C-AL;0.1F,+80-20%,5.5V,-,TP,12.5x11	"EF" Models Only
C608	70796210	2401-000118	C-AL;1000uF,20%,10V,GP,TP,10x12.5,5	
C610	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C611	70693281	2301-000392	C-FILM,PEF;15nF,5%,50V,TP,6.5x8.5x3.2mm,	
C612	70796210	2401-000118	C-AL;1000uF,20%,10V,GP,TP,10x12.5,5	
C614 C618	BY130027 BY130048	2202-002037 2401-002095	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V C-AL;47uF,20%,25V,GP,TP,6.3x5,5mm	
0010	D1130040	2-701-00203J	5 / 16,77 at ,20 /0,20 ¥,01 , 11,0.0A0,011111	

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Loc.No.	TSB Parts No.	Reference No.	Description : Specification	Remark
C619	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C620	70795075	2202-000797	C-CERAMIC, MLC-AXIAL; 10NF, 30%, 16V, Y5S, TP,	
C621	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5mm	
C622	70693497	2301-000471	C-FILM,PEF;68nF,5%,50V,TP,9x12x4.5mm,5mm	
C623	70693249	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
C624	70795614	2202-000205	C-CERAMIC,MLC-AXIAL;22pF,5%,50V,SL,TP,1	
C625 C626	70795614 70795614	2202-000205 2202-000205	C-CERAMIC,MLC-AXIAL;22pF,5%,50V,SL,TP,1. C-CERAMIC,MLC-AXIAL;22pF,5%,50V,SL,TP,1.	
C627	70795614	2202-000205	C-CERAMIC,MLC-AXIAL,22pF,5%,50V,SL,TF,1.	
C628	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C633	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C634	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	•
C635	BY130072	2202-000183	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R,TP	
C636	BY130072	2202-000183	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R,TP	
C637	BY130172	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP	
C638 C639	70699092 BY130069	2401-000918 2202-000121	C-AL;22uF,20%,16V,GP,-,6.3x7,5 C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
C640	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C641	BY130280	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C642	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5mm	
C643	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5mm	
C645	BY130049	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C646	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C691 C692	70795075 70693497	2202-000797 2301-000471	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP, C-FILM,PEF;68nF,5%,50V,TP,9x12x4.5mm,5mm	
C6B02	BY130262	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	V-730EF/610EF/730UK/740EG/730EG Only
C6B03	BY130282	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	V-730EF/610EF/730UK/740EG/730EG Only
C6B04	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL,100nF,80-20%,50V,Y5V	V-730EF/610EF/730UK/740EG/730EG Only
C6B05	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C6B07	BY130262	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	
C6B08	BY130262	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	
C6B09 C6P01	BY130280 70795075	2401-002165 2202-000797	C-AL;100uF,20%,16V,GP,TP,6.3x7,5 C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C6P02	BY130049	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C6P03	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C6P04	70795080	2202-000216	C-CERAMIC,MLC-AXIAL; .027NF,5%,50V,SL,TP,	
C6P05	70795080	2202-000216	C-CERAMIC,MLC-AXIAL;.027NF,5%,50V,SL,TP,	
C6P06	BY130271	2301-000458	C-FILM,PEF;56nF,5%,50V,TP,8x12x4.5mm,5mm	"EF/UK/EG" Models Only
C6P07	BY130136	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	"EF/UK/EG" Models Only
C6P08 C6P09	BY130173 BY130170	2202-000286 2202-000145	C-CERAMIC,MLC-AXIAL; 56pF,5%,50V,SL,TP,1.	V-510EF/720W/710W Only
C6P10	BY130042	2401-000598	C-CERAMIC,MLC-AXIAL;.12NF,10%,50V,Y5P,TP C-AL;1uF,20%,50V,GP,TP,4x7,5	V-310EF/720VV/710VV OIIIV
C6P11	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C6P12	BY130049	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C6P13	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C6P14	70693047	2202-000279	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	
C6P20	70693047	2202-000279	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	V E10EE/720\A//710\A/ O=k.
C6P20	70795082	2202-000295	C-CERAMIC,MLC-AXIAL;68pF,5%,50V,SL,TP,3. C-AL;100uF,20%,16V,GP,TP,6.3x7,5	V-510EF/720W/710W Only
C701 C702	BY130280 70795075	2401-002165 2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C703	BY130262	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	
C706	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C707	70795626	2401-003122	C-AL;4.7uF,20%,50V,LL,TP,4X7,1.5	
C708	70795075	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,Y5S,TP,	
C711	70795362	2202-000789	C-CERAMIC,MLC-AXIAL;12PF,5%,50V,SL,TP,3.	
C712	70795362	2202-000789 2401-002075	C-CERAMIC,MLC-AXIAL;12PF,5%,50V,SL,TP,3.	
C801 C802	BY130047 BY130047	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5 C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C803	BY130047	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C804	BY130047	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C805	BY130047	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C806	BY130047	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C807	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4×7,5	
C808	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C809 C810	70795769 BY130047	2401-001919 2401-002075	C-AL;2.2UF,20%,50V,-,TP,4X7MM,5 C-AL;4.7uF,20%,50V,GP,TP,5x11,5	"UK" Models Not used
C811	BY130263	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	"UK" Models Not used
C812	BY130047	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	"UK" Models Not used
C813	BY130047	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C814	BY130047	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C815	BY130047	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	#EF# \$ \$ 1 1 C 1
C816	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	"EF" Models Only
C816 C817	BY130273 BY130049	2401-000414 2401-002144	C-AL;10uF,20%,16V,GP,TP,4x7,5 C-AL;47uF,20%,16V,GP,TP,5x11,5	
C817	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C819	BY130280	2401-002165	C-AL,100uF,20%,16V,GP,TP,6.3x7,5	
C820	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C821	BY130015	2401-001479	C-AL;470uF,20%,10V,GP,-,-,TP	
C822	BY130069	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	

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Loc.No.	TSB Parts No.	Reference No.	Description ; Specification		Remark
C823	BY130069	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	#1.112# <b>*</b> *	
C826 C827	BY130069 BY130069	2202-000121 2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	"UK" Mod	dels Not used
C828	70693047	2202-000121	C-CERAMIC,MLC-AXIAL,100PF,10%,50V,Y5F,1F C-CERAMIC,MLC-AXIAL,47pF,5%,50V,SL,TP,3.		
C829	70693047	2202-000279	C-CERAMIC,MLC-AXIAL,47pF,5%,50V,SL,TP,3.		
C830	BY130136	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5		
C831	BY130263	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP		
C832	BY130136	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5		
C833 C834	BY130263 BY130263	2202-000231 2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	"I IIZ" <b>N</b> 4	lata Nilara
C837	BY130263	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	UK MOC	dels Not used
C838	BY130262	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1		
C840	BY130015	2401-001479	C-AL;470uF,20%,10V,GP,-,-,TP	"UK" Mod	dels Not used
<resist< td=""><td>'OPC</td><td></td><td></td><td></td><td></td></resist<>	'OPC				
R1P103	70795019	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MM		
R1P105	70795007	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R1P106	70795036	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R1P107	70795020	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R1P108	70795020	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R1P109 R1P110	70796067 70796067	2001-000362 2001-000362	R-CARBON;1500HM,5%,1/8W,AA,TP,1.8X3.2MM R-CARBON;1500HM,5%,1/8W,AA,TP,1.8X3.2MM		
R1P111	70795003	2001-000302	R-CARBON;100HM,5%,1/8W,AA,TP,1.8X3.2MM		
R1P112	70795025	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM		
R1P115	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
R1P116	70795029	2001-000633	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
R1P117	70796067	2001-000362	R-CARBON;1500HM,5%,1/8W,AA,TP,1.8X3.2MM		
R1P119 R1P121	70795020 70795006	2001-000449 2001-000290	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
R1P122	70795020	2001-000230	R-CARBON; 10KOHM, 5%, 1/8W, AA, TP, 1.8X3.2M		
R1P123	70795007	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R1P125	70795020	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R1P127	70795040	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R1P128 R1P129	70795013	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R1P130	BY230106 BY230019	2001-000938 2001-000221	R-CARBON;680HM,5%,1/8W,AA,TP,1.8X3.2MM R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R1SD12	70796067	2001-000362	R-CARBON;1500HM,5%,1/8W,AA,TP,1.8X3.2MM		
R1SD13	70795318	2001-000319	R-CARBON;120KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R1SD14	70795318	2001-000319	R-CARBON;120KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R1SD15	70795318	2001-000319	R-CARBON;120KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R1SD16 R1SD31	70796274 70795039	2003-000273 2001-000780	R-METAL OXIDE;33Kohm,5%,2W,AA,TP,6x16mm R-CARBON;4700HM,5%,1/8W,AA,TP,1.8X3.2MM		
R1SD31	70795005	2001-000730	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
R1SF11	70795318	2001-000319	R-CARBON;120KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R1SF15	70795031	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R1SF19	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
R1SF20 R1SF21	BY230147 BY230036	2003-000105 2001-000096	R-METAL OXIDE;0.33ohm,5%,2W,AD,TP,6x16mm R-CARBON(S);1MOHM,5%,1/2W,AA,TP,2.4X6.4M		
R1SS10	BY230170	2006-000262	R-CEMENT;2.7ohm,10%,2W,CB,TP,7.5x11x20.		
R1SS11	70796274	2003-000273	R-METAL OXIDE;33Kohm,5%,2W,AA,TP,6x16mm		
R1SS13	BY230003	2003-000148	R-METAL OXIDE;1000HM,5%,2W,AE,TP,6X16MM		
R1SS31	70795009	2001-000440	R-CARBON;10HM,5%,1/8W,AA,TP,1.8X3.2MM		
R1SS32	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM R-METAL;3Kohm,1%,1/8W,AA,TP,1.8x3.2mm		
R1SS33 R1SS34	70795640 70795638	2004-000869 2004-000459	R-METAL;3K0nm,1%,1/8VV,AA,1P,1.8x3.2mm R-METAL;2.2Kohm,1%,1/8W,AA,TP,1.8x3.2m		
R301	70795020	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R302	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
R303	70795357	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	"EF"	Models Only
R304 R305	70795058 70795357	2001-000977 2001-000258	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R306	70795357	2001-000238	R-CARBON;1.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
R308	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
R309	BY230037	2001-000723	R-CARBON;4.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
R311	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
R312	70795013	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R313 R314	70795019 70795050	2001-000515 2001-000924	R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MM R-CARBON;6800HM,5%,1/8W,AA,TP,1.8X3.2MM		
R315	70699144	2001-000324	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R316	BY230019	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R317	70795030	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm		
R318 R320	70795030 70795006	2001-000003 2001-000290	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
R320 R321	70795006 BY230096	2001-000290	R-CARBON; 10KOHM,5%, 1/8W,AA, 1P, 1.8X3.2MM R-CARBON;20KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
R322	70795319	2001-000539	R-CARBON;24KOHM,5%,1/8W,AA,TP,1.8X3.2MM		
R325	70699144	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R326	70795043	2001-000832	R-CARBON;5100HM,5%,1/8W,AA,TP,1.8X3.2MM		
R327 R328	70795043 70795040	2001-000832 2001-000734	R-CARBON;5100HM,5%,1/8W,AA,TP,1.8X3.2MM R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M		
R329	70699144	2001-000734	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M		
			and the second s		

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Loc.No.	TSB Parts No.	Reference No.	Description; Specification	Remark
R330	70795040	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R331	70795019	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MM	
R332	70795004	2001-000281	R-CARBON,1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R333	70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R334 R335	70795004 70795044	2001-000281 2001-000800	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R336	70795014	2001-000800	R-CARBON;5.1KOHM,5%,1/8W,AA,TP,1.8X3.2M R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R341	70795059	2001-001000	R-CARBON;82KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R342	70795046	2001-000802	R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2m	
R344	70795054	2001-000969	R-CARBON;750HM,5%,1/8W,AA,TP,1.8X3.2MM	V-730EF/730UK/740EG/730EG/720W/710W Only
R347	70795049	2001-000904	R-CARBON;6200HM,5%,1/8W,AA,TP,1.8X3.2MM	,
R348	70795609	2001-000605	R-CARBON;3.6KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A01	70795011	2001-000331	R-CARBON;12K0HM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A04	70795012	2001-000232	R-CARBON;1.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A05	70795032	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A06 R3A07	70795607 70795033	2001-000405 2001-000645	R-CARBON;1800HM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A08	70795033	2001-000845	R-CARBON;330KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A09	70795046	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2m	
R3A10	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A11	70795357	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A12	70796025	2001-000458	R-CARBON;2.20HM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A13	70795039	2001-000780	R-CARBON;4700HM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A14	70795021	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A16	70795006	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A17	70795036	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A18	70795036	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A19	70795607	2001-000405	R-CARBON;1800HM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A21 R3A22	70795049 BY230037	2001-000904 2001-000723	R-CARBON;6200HM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A23	70795058	2001-000723	R-CARBON;4.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A24	70795021	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A25	BY230019	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A26	70795011	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A28	70795013	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A30	70795354	2001-000773	R-CARBON;470KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A37	70795055	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3D01	70796129	2001-000793	R-CARBON;470HM,5%,1/8W,AA,TP,1.8X3.2MM	
R3D02 R3D03	70795021 70795042	2001-000522 2001-000745	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3S01	70795319	2001-000745	R-CARBON;4.70HM,5%,1/8W,AA,TP,1.8X3.2MM R-CARBON;24K0HM,5%,1/8W,AA,TP,1.8X3.2MM	"FF" Madala Oali
R3S02	70795058	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	"EF" Models Only "EF" Models Only
R3S03	70795663	2001-001015	R-CARBON;9.1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R3S04	70795319	2001-000539	R-CARBON;24KOHM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R3S05	70795041	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R3S11	70795045	2001-000837	R-CARBON;51KOHM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R3S12	70795040	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	"EF" Models Only
R3S13 R3S14	70795029	2001-000633	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R3S15	70795051 70795055	2001-000890 2001-000947	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	"EF" Models Only
R3S16	70699144	2001-000347	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	"EF" Models Only
R3S17	70795021	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only "EF" Models Only
R3S20	70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R3S21	70795034	2001-000674	R-CARBON;3600HM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R3S22	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R3S23	70795319	2001-000539	R-CARBON;24KOHM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R3S24	70795015	2001-000356	R-CARBON;150KOHM,5%,1/8W,AA,TP,1.8X3.2M	"EF" Models Only
R3S25 R3S27	70795357 70795318	2001-000258 2001-000319	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M R-CARBON;120KOHM,5%,1/8W,AA,TP,1.8X3.2M	"EF" Models Only
R401	70795041	2001-000313	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R402	70795004	2001-000788	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R403	70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R404	70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R406	70795026	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R407	70795058	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R408	BY230019	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R4N01	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R4N02 R4N03	70795004 70795004	2001-000281 2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R4N04	70795026	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R4N05	70795004	2001-000383	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R4N06	70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R501	70795038	2001-000766	R-CARBON;43K0HM,5%,1/8W,AA,TP,1.8X3.2MM	
R502	70795663	2001-001015	R-CARBON;9.1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R503	70795039	2001-000780	R-CARBON;4700HM,5%,1/8W,AA,TP,1.8X3.2MM	
R504 R505	70699144	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R506	70795038 70795663	2001-000766 2001-001015	R-CARBON;43KOHM,5%,1/8W,AA,TP,1.8X3.2MM R-CARBON;9.1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R507	70795033	2001-001015		730EF/730UK/740EG/730EG/720W/710W Only
			V	. 111., 70001., 7.1010, 70010, 720 VV/ 710 VV OIIIV

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Big	Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
Page 10					/-730EF/730UK/740EG/730EG/720W/710W Only
Pa-11					
Instity					
R514					
Instit					
B516			2001-000786		
R519   70795494   2001 900678   R-CAHSON 2-KOIM-15-51, 17W-XA-TE   V-758F/758B/Y-778	R517	70795447	2001-000878	R-CARBON;6.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RS21					
ROS2					V-730EF/730UK/740EG/730EG/720VV/710VV Only
R524   70759024   2001 000059					
RESIST   70795069					
BESS					
PESTO   70795004   2001-000786   F. CARBON - 3000HM 5% - 178W-A.TE 1.8X3 ZMM   F. CARBON - 3000HM 5% - 178W-A.TE					
R571   70795004   2001-000281   R-CARBON 1900HM 395, 179WAA, IT-L BX3 ZMM					
R571   70795004   2001-000281   R-CARBON 1000HM-5%, 178W-AAT, PL 8X3 ZMM					
R802   70795004   2001-000281   R-CARBON, 1000HM,5%, 178WAA,TP, 18X3 ZMM					
REDIG   70795006   2001-000290   R. CARBON I OKOH MS, 54, 179W. AA, 171 BX3 ZMM   TUK/EG/W* Models Only 190907   2001-000249   R. CARBON I KOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795005   2001-000249   R. CARBON I KOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795047   2001-000884   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795047   2001-000884   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795049   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795039   2001-000780   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795039   2001-000780   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795039   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795039   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795039   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795039   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795034   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795034   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795034   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795034   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795034   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795034   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795034   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795034   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795034   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795034   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795034   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   REDIG   70795034   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   R. CARBON I SKOHM, 55, 178W. AA, 171 BX3 ZMM   R. CARBON I SKOHM, 55		70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R605					
Finds					"UK/EG/W" Models Only
R608         70795047         Z001-000684         R-CARBON-SKOHM-5%-1/RW-AA-TP-18-83.2MM           R613         70795005         2001-000429         R-CARBON-SKOHM-5%-1/RW-AA-TP-18-83.2MM           R614         70795039         2001-000780         R-CARBON-1/XOHM-5%-1/RW-AA-TP-18-83.2MM           R642         70795039         2001-000780         R-CARBON-1/XOHM-5%-1/RW-AA-TP-18-83.2MM           R644         70795039         2001-000780         R-CARBON-1/XOHM-5%-1/RW-AA-TP-18-83.2MM           R650         70796068         2003-000259         R-METAL CXIDE-3-90HM-5%-2-W-AL-1P-6X-1RW-MA           R651         70795052         2001-000688         R-CARBON-1/S-M-1/S-M-1/RW-AA-TP-18-83.2MM           R652         70795044         2001-000688         R-CARBON-1/S-M-1/S-M-1/RW-AA-TP-18-83.2MM           R654         70795047         2001-000786         R-CARBON-1/S-M-1/S-M-1/RW-AA-TP-18-83.2MM           R654         70795041         2001-000786         R-CARBON-1/RW-M-M-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-					
R609   70795047   2001-000848   R-CARBON_58KOHM,5%,78W,AA,TP.I 8X3.2MM   R641   70795039   2001-000780   R-CARBON_18X0HM,5%,78W,AA,TP.I 8X3.2MM   R642   70795039   2001-000780   R-CARBON_18X0HM,5%,73W,AA,TP.I 8X3.2MM   R644   70795035   2001-000780   R-CARBON_18X0HM,5%,73W,AA,TP.I 8X3.2MM   R648   70795035   2001-000780   R-CARBON_18X0HM,5%,73W,AA,TP.I 8X3.2MM   R655   70795036   2001-000780   R-CARBON_18X0HM,5%,73W,AA,TP.I 8X3.2MM   R655   70795034   2001-000780   R-CARBON_18X0HM,5%,73W,AA,TP.I 8X3.2MM   R656   70795031   2001-000780   R-CARBON_18X0HM,5%,73W,AA,TP.I 8X3.2MM   R666   70795032   2001-000780   R-CARBON_18X0HM,5%,73W,AA,TP.I 8X3.2MM   R666   70795032   2001-000290   R-CARBON_18X0HM,5%,73W,AA,TP.I 8X3.2MM   R666   70795032   2001-000290   R-CARBON_18X0HM,5%,73W,AA,TP.I 8X3.2MM   R667   70795039   2001-000290   R-CARBON_18X0HM,5%,73W,AA,TP.I 8X3.2MM   R668   70795039   2001-000290   R-CARBON_18X0HM,5%,73W,AA,TP.I 8X3.2MM   R677   70795040   2001-000290   R-CARBON_18X0HM,5%,73W,AA,TP.I 8X3.2MM   R677   70795040   2001-000290   R-CARBON_18X0HM,5%,73W,AA,TP.I 8X3.2MM   R677   70795040   2001-000290   R-CARBON_18X0HM,5%,73W,AA,TP.I 8X3.2MM   R677   70795050   2001-000290   R-CARBON_18X0HM,5%,73W,AA,TP.I 8X3.2MM   R677   70795050   2001-000290   R-CARBON_18X0HM,5%,73W,AA,TP.I 8X3.2MM   R677   7079506   2001-000290   R-CARBON_18X0HM,5%,73W,AA,TP.I 8X3.2MM   R677   70795070   2001-000290   R-CARBON_18X0HM,5%,73W,AA,TP.I 8X3.2MM   R					
R641         70795039         2001-000780         R-CARBON,4700HM,5%,178WAA,TP1,8X3,2MM           R642         70795005         2001-000780         R-CARBON,4700HM,5%,178WAA,TP1,8X3,2MM           R650         70795065         2001-000299         R-METAL CXIDE,33,94HM,5%,27WAA,TP1,8X3,2MM           R651         70795062         2001-000568         R-CARBON,68KOHM,5%,178WAA,TP1,8X3,2MM           R652         70795046         2001-000568         R-CARBON,20KOHM,5%,178WAA,TP1,8X3,2MM           R655         70795041         2001-000568         R-CARBON,276KOHM,5%,178WAA,TP1,8X3,2MM           R656         70795041         2001-000076         R-CARBON,47KOHM,5%,178WAA,TP1,8X3,2MM           R657         70795052         2001-000010         R-CARBON,47KOHM,5%,178WAA,TP1,8X3,2MM           R661         70795041         2001-0000241         R-CARBON,47KOHM,5%,178WAA,TP1,8X3,2MM           R666         70795052         2001-0000290         R-CARBON,38KOHM,5%,178WAA,TP1,8X3,2MM           R666         70795063         2001-000290         R-CARBON,38KOHM,5%,178WAA,TP1,8X3,2MM           R666         70795064         2001-000290         R-CARBON,38KOHM,5%,178WAA,TP1,8X3,2MM           R667         70795063         2001-000290         R-CARBON,30KOHM,5%,178WAA,TP1,8X3,2MM           R668         70795064         2001					
R642         70795039         2001-000749         R-CARBON, 47001M, 5%, 178W, AA, TP.1, 8X3, 2MM           R654         70795036         2001-000249         R-CARBON, 16W, AM, TP.1, 8X3, 2MM           R651         70795032         2001-000010         R-CARBON, 16W, AM, TP.1, 8X3, 2MM           R652         70795042         2001-0000680         R-CARBON, 270HM, 5%, 178W, AA, TP.1, 8X3, 2MM           R654         70795041         2001-0000780         R-CARBON, 270HM, 5%, 178W, AA, TP.1, 8X3, 2MM           R655         70795041         2001-0000241         R-CARBON, 270HM, 5%, 178W, AA, TP.1, 8X3, 2MM           R666         70795052         2001-0000241         R-CARBON, 47KOHM, 5%, 178W, AA, TP.1, 8X3, 2MM           R660         70795041         2001-0000786         R-CARBON, 47KOHM, 5%, 178W, AA, TP.1, 8X3, 2MM           R661         70795040         2001-0000290         R-CARBON, 38KOHM, 5%, 178W, AA, TP.1, 8X3, 2MM           R666         70795060         2001-000290         R-CARBON, 38KOHM, 5%, 178W, AA, TP.1, 8X3, 2MM           R668         70795079         2001-000720         R-CARBON, 200HM, 47KOHM, 5%, 178W, AA, TP.1, 8X3, 2MM           R669         70795040         2001-000724         R-CARBON, 200HM, 47KOHM, 5%, 178W, AA, TP.1, 8X3, 2MM           R672         70795040         2001-000724         R-CARBON, 18KOHM, 5%, 178W, AA, TP.	R613	70795005	2001-000429	R-CARBON;1K0HM,5%,1/8W,AA,TP,1.8X3.2MM	
Fig. 44					
R850         70795059         2003-000259         R-METAL DXIDE:3 9DHM.5%.2/W.AE.TREX16MM           R851         70795054         2001-000010         R-CARBON,680CHM.5%, 1/8W.AA, TP.1 8X.3 ZMM           R852         70795041         2001-000802         R-CARBON,580CHM.5%, 1/8W.AA, TP.1 8X.3 ZMM           R855         70795041         2001-000802         R-CARBON,580CHM.5%, 1/8W.AA, TP.1 8X.3 ZMM           R856         70795041         2001-000241         R-CARBON,150CHM.5%, 1/8W.AA, TP.1 8X.3 ZMM           R866         70795052         2001-000018         R-CARBON,150CHM.5%, 1/8W.AA, TP.1 8X.3 ZMM           R661         70795032         2001-0000786         R-CARBON,150CHM.5%, 1/8W.AA, TP.1 8X.3 ZMM           R666         70795005         2001-000290         R-CARBON,150CHM.5%, 1/8W.AA, TP.1 8X.3 ZMM           R667         70795006         2001-000290         R-CARBON,150CHM.5%, 1/8W.AA, TP.1 8X.3 ZMM           R668         70795039         2001-000780         R-CARBON,470CHM.5%, 1/8W.AA, TP.1 8X.3 ZMM           R670         70795040         2001-000734         R-CARBON,470CHM.5%, 1/8W.AA, TP.1 8X.3 ZMM           R671         70795040         2001-000734         R-CARBON,470CHM.5%, 1/8W.AA, TP.1 8X.3 ZMM           R672         70795040         2001-000290         R-CARBON,47CHM.5%, 1/8W.AA, TP.1 8X.3 ZMM <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
R651         70/795022         2010-1000668         R-CARBON_6RKOHM.5%, 1/8WAA.TP.1 8X3.2MM           R652         70/795046         2011-1000688         R-CARBON_27OHM.5%, 1/8WAA.TP.1 8X3.2M         RCARBON_27OHM.5%, 1/8WAA.TP.1 8X3.2MM           R655         70/795041         2011-000786         R-CARBON_25 Kohm.5%, 1/8WAA.TP.1 8X3.2MM         RCARBON_210HM.5%, 1/8WAA.TP.1 8X3.2MM           R656         70/795041         2011-000786         R-CARBON_15KOHM.5%, 1/8WAA.TP.1 8X3.2MM           R661         70/795041         2011-000786         R-CARBON_80KOHM.5%, 1/8WAA.TP.1 8X3.2MM           R666         70/795041         2011-000786         R-CARBON_80KOHM.5%, 1/8WAA.TP.1 8X3.2MM           R666         70/795060         2011-000290         R-CARBON_10KOHM.5%, 1/8WAA.TP.1 8X3.2MM           R667         70/795039         2011-000290         R-CARBON_10KOHM.5%, 1/8WAA.TP.1 8X3.2MM           R668         70/795040         2011-000734         R-CARBON, 10KOHM.5%, 1/8WAA.TP.1 8X3.2MM           R671         70/795040         2011-000734         R-CARBON, 10KOHM.5%, 1/8WAA.TP.1 8X3.2MM           R672         70/795040         2011-000734         R-CARBON, 10KOHM.5%, 1/8WAA.TP.1 8X3.2MM           R673         70/795060         2011-000734         R-CARBON, 10KOHM.5%, 1/8WAA.TP.1 8X3.2MM           R674         70/795060         2011-000073					
R652         70795024         2001-000568         R. CARBON, 270HM, 5%, 18W, AA, TP1.8X3.2MM           R654         70795041         2001-000786         R. CARBON, 56, 18W, AA, TP1.8X3.2MM           R656         70795013         2001-000241         R. CARBON, 47KOHM, 5%, 178W, AA, TP1.8X3.2MM           R657         70795052         2001-000078         R. CARBON, 18KOHM, 5%, 178W, AA, TP1.8X3.2MM           R661         70795032         2001-000078         R. CARBON, 18KOHM, 5%, 178W, AA, TP1.8X3.2MM           R666         70795003         2001-000290         R. CARBON, 18KOHM, 5%, 178W, AA, TP1.8X3.2MM           R667         70795006         2001-000290         R. CARBON, 18KOHM, 5%, 178W, AA, TP1.8X3.2MM           R688         70795039         2001-000780         R. CARBON, 18KOHM, 5%, 178W, AA, TP1.8X3.2MM           R688         70795039         2001-000734         R. CARBON, 4700HM, 5%, 178W, AA, TP1.8X3.2MM           R671         70795040         2001-000734         R. CARBON, 4700HM, 5%, 178W, AA, TP1.8X3.2MM           R674         707950505         2001-000194         R. CARBON, 4700HM, 5%, 178W, AA, TP1.8X3.2MM           R674         707950507         2001-000294         R. CARBON, 4700HM, 5%, 178W, AA, TP1.8X3.2MM           R674         707950507         2001-000249         R. CARBON, 18COHM, 5%, 178W, AA, TP1.8X3.2MM <td></td> <td></td> <td></td> <td></td> <td></td>					
R654         70795046         2001-000802         R-CARBON,5 KNohm,5%,1/8W.AA,1P.1 8X3.2MM           R655         70795013         2001-000241         R-CARBON,4 KNOHM,5%,1/8W.AA,1P.1 8X3.2MM           R657         70795041         2001-000010         R-CARBON,8 KNOHM,5%,1/8W.AA,1P.1 8X3.2MM           R660         70795041         2001-000066         R-CARBON,8 KNOHM,5%,1/8W.AA,1P.1 8X3.2MM           R661         70795008         2001-00029         R-CARBON,18 KNOHM,5%,1/8W.AA,1P.1 8X3.2MM           R666         70795008         2001-00029         R-CARBON,18 KNOHM,5%,1/8W.AA,1P.1 8X3.2MM           R667         70795009         2001-00029         R-CARBON,18 KNOHM,5%,1/8W.AA,1P.1 8X3.2MM           R668         70795039         2001-000790         R-CARBON,18 KNOHM,5%,1/8W.AA,1P.1 8X3.2M           R670         70795040         2001-000734         R-CARBON,18 KNOHM,5%,1/8W.AA,1P.1 8X3.2M           R671         70795040         2001-000734         R-CARBON,18 KNOHM,5%,1/8W.AA,1P.1 8X3.2M           R673         70795040         2001-000749         R-CARBON,18 KNOHM,5%,1/8W.AA,1P.1 8X3.2MM           R674         70795040         2001-000609         R-CARBON,18 KNOHM,5%,1/8W.AA,1P.1 8X3.2MM           R675         70795052         2001-000605         R-CARBON,18 KNOHM,5%,1/8W.AA,1P.1 8X3.2MM           R676					
R656   70795013   2001-000241   R-CARBON-1 5KOHM,5%, 178W-AA, TP1, 8X3.2 MM   R657   70795014   2001-000786   R-CARBON-8 (KOHM,5%, 178W-AA, TP1, 8X3.2 MM   R661   70795006   2001-000290   R-CARBON-1 5KOHM,5%, 178W-AA, TP1, 8X3.2 MM   R667   70795006   2001-000290   R-CARBON-1 5KOHM,5%, 178W-AA, TP1, 8X3.2 MM   R668   70795039   2001-000780   R-CARBON-1 5KOHM,5%, 178W-AA, TP1, 8X3.2 MM   R668   70795039   2001-000780   R-CARBON-1 5KOHM,5%, 178W-AA, TP1, 8X3.2 MM   R669   70795040   2001-000734   R-CARBON-1 47KOHM,5%, 178W-AA, TP1, 8X3.2 MM   R677   70795040   2001-000734   R-CARBON-1 47KOHM,5%, 178W-AA, TP1, 8X3.2 MM   R678   70795005   2001-000734   R-CARBON-1 47KOHM,5%, 178W-AA, TP1, 8X3.2 MM   R677   70795005   2001-000429   R-CARBON-1 47KOHM,5%, 178W-AA, TP1, 8X3.2 MM   R678   70795005   2001-000429   R-CARBON-1 47KOHM,5%, 178W-AA, TP1, 8X3.2 MM   R678   70795005   2001-000459   R-CARBON-1 47KOHM,5%, 178W-AA, TP1, 8X3.2 MM   R679   70795001   2001-000652   R-CARBON-1 47KOHM,5%, 178W-AA, TP1, 8X3.2 MM   R679   70795021   2001-000652   R-CARBON-1 200HM,5%, 178W-AA, TP1, 8X3.2 MM   R679   70795021   2001-000652   R-CARBON-1 200HM,5%, 178W-AA, TP1, 8X3.2 MM   R679   70795019   2001-000522   R-CARBON-1 200HM,5%, 178W-AA, TP1, 8X3.2 MM   R688   70795032   2001-000660   R-CARBON-1 200HM,5%, 178W-AA, TP1, 8X3.2 MM   R688   70795032   2001-000660   R-CARBON-1 200HM,5%, 178W-AA, TP1, 8X3.2 MM   R688   70795035   2001-000660   R-CARBON-1 200HM,5%, 178W-AA, TP1, 8X3.2 MM   R689   70795005   2001-000429   R-CARBON-1 200HM,5%, 178W-AA, TP1, 8X3.2 MM   R689   70795005   2001-000429   R-CARBON-1 200HM,5%, 178W-AA, TP1, 8X3.2 MM   R689   70795005   2001-000429   R-CARBON-1 200HM,5%, 178W-AA, TP1, 8X3.2 MM   R689   70795005   2001-000429   R-CARBON-1 200HM,5%, 178W-AA, TP1, 8X3.2 MM   R689   70795005   2001-000429   R-CARBON-1 200HM,5%, 178W-AA, TP1, 8X3.2 MM   R689   70795005   2001-000429   R-CARBON-1 200HM,5%, 178W-AA, TP1, 8X3.2 MM   R689   70795005   2001-000429   R-CARBON-1 200HM,5%, 178W-AA, TP1, 8X3.2 MM   R689   70			2001-000802		
R650   70795052   2001-000010					
R860   70795041   2001-000786					
R661         70795032         2001-000660         R-CARBON, 13KOHM,5%, 178W,AA,TP1, 8X3,2MM           R666         70795006         2001-000290         R-CARBON, 10KOHM,5%, 178W,AA,TP1, 8X3,2MM           R668         70795039         2001-000780         R-CARBON, 10KOHM,5%, 178W,AA,TP1, 8X3,2MM           R669         70795039         2001-000784         R-CARBON, 470OHM,5%, 178W,AA,TP1, 8X3,2MM           R670         70795040         2001-000734         R-CARBON, 470OHM,5%, 178W,AA,TP1, 8X3,2M           R671         70795040         2001-000734         R-CARBON, 47KOHM,5%, 178W,AA,TP1, 8X3,2M           R672         70795040         2001-000294         R-CARBON, 47KOHM,5%, 178W,AA,TP1, 8X3,2MM           R673         70795006         2001-000290         R-CARBON, 10KOHM,5%, 178W,AA,TP1, 8X3,2MM           R674         70795006         2001-0000290         R-CARBON, 10KOHM,5%, 178W,AA,TP1, 8X3,2MM           R675         70795029         2001-0000522         R-CARBON, 20KOHM,5%, 178W,AA,TP1, 8X3,2MM           R676         70795021         2001-000522         R-CARBON, 20KOHM,5%, 178W,AA,TP1, 8X3,2MM           R679         70795021         2001-000522         R-CARBON, 20KOHM,5%, 178W,AA,TP1, 8X3,2MM           R689         70795021         2001-000522         R-CARBON, 20KOHM,5%, 178W,AA,TP1, 8X3,2MM           R689 <td></td> <td></td> <td></td> <td></td> <td></td>					
REGRIE   170795006   2001-000290   R-CABBON_10KDHM.5%   18W.AA.TP.1 8X3.2MM   REGRIE   70795039   2001-000780   R-CABBON_10KDHM.5%   18W.AA.TP.1 8X3.2MM   REGRIE   70795039   2001-000780   R-CABBON_10KDHM.5%   18W.AA.TP.1 8X3.2MM   REGRIE   70795040   2001-000734   R-CABBON_470DHM.5%   18W.AA.TP.1 8X3.2MM   REGRIE   70795040   2001-000734   R-CABBON_47KDHM.5%   18W.AA.TP.1 8X3.2MM   REGRIE   70795040   2001-000734   R-CABBON_47KDHM.5%   18W.AA.TP.1 8X3.2MM   REGRIE   70795005   2001-000478   R-CABBON_47KDHM.5%   18W.AA.TP.1 8X3.2MM   REGRIE   70795005   2001-000429   R-CABBON_1KDHM.5%   18W.AA.TP.1 8X3.2MM   REGRIE   70795067   2001-000490   R-CABBON_1KDHM.5%   18W.AA.TP.1 8X3.2MM   REGRIE   70795067   2001-000405   R-CABBON_1KDHM.5%   18W.AA.TP.1 8X3.2MM   REGRIE   70795061   2001-000522   R-CABBON_2KDHM.5%   18W.AA.TP.1 8X3.2MM   REGRIE   70795019   2001-000660   R-CABBON_2KDHM.5%   18W.AA.TP.1 8X3.2MM   REGRIE   70795019   2001-000660   R-CABBON_2KDHM.5%   18W.AA.TP.1 8X3.2MM   REGRIE   70795019   2001-000660   R-CABBON_2KDHM.5%   18W.AA.TP.1 8X3.2MM   REGRIE   70795005   2001-000429   R-CABBON_1KDHM.5%   18W.AA					
REGB					
R669   70795039   2001-000780   R-CARBON.4700HM.5%, 1/8W.AA, TP.1.8X3.2MM   R671   70795040   2001-000734   R-CARBON.47KOHM.5%, 1/8W.AA, TP.1.8X3.2M   R672   70795040   2001-000734   R-CARBON.47KOHM.5%, 1/8W.AA, TP.1.8X3.2M   R673   70795005   2001-000429   R-CARBON.1KOHM.5%, 1/8W.AA, TP.1.8X3.2MM   R674   70795006   2001-000290   R-CARBON.1KOHM.5%, 1/8W.AA, TP.1.8X3.2MM   R675   70795007   2001-000405   R-CARBON.1KOHM.5%, 1/8W.AA, TP.1.8X3.2MM   R676   70795029   2001-000633   R-CARBON.1800HM.5%, 1/8W.AA, TP.1.8X3.2MM   R677   70795021   2001-000522   R-CARBON.2KOHM.5%, 1/8W.AA, TP.1.8X3.2MM   R678   70795021   2001-000522   R-CARBON.2KOHM.5%, 1/8W.AA, TP.1.8X3.2MM   R679   70795019   2001-000522   R-CARBON.2ZKOHM.5%, 1/8W.AA, TP.1.8X3.2MM   R6887   70795032   2001-000660   R-CARBON.2ZKOHM.5%, 1/8W.AA, TP.1.8X3.2MM   R689   70795032   2001-000660   R-CARBON.3KOHM.5%, 1/8W.AA, TP.1.8X3.2MM   R689   70795047   2001-000664   R-CARBON.1KOHM.5%, 1/8W.AA, TP.1.8X3.2MM   R690   7079505   2001-000429   R-CARBON.1KOHM.5%, 1/8W.AA, TP.1.8X3.2MM   R691   70795005   2001-000429   R-CARBON.1KOHM.5%, 1/8W.AA, TP.1.8X3.2MM   R694   70795005   2001-000429   R-CARBON.1KOHM.5%, 1/8W.AA, TP.1.8X3.2MM   R694   70795005   2001-000429   R-CARBON.1KOHM.5%, 1/8W.AA, TP.1.8X3.2MM   R690   70795006   2001-000429   R-CARBON.1KOHM.5%, 1/8W.AA, TP.1.8X3.2MM   R690   70795006   2001-000429   R-CARBON.1KOHM.5%, 1/8W.AA, TP.1.8X3.2MM   R6900   70795006   2001-000362   R-CARBON.1KOHM.5%, 1/8W.AA, TP.1.8X3.2MM   R6900   707					
R870					
R671   70795040   2001-000734   R-CARBON.4 7KOHM.5% 1/8W.AA.TP.1 8X3.2 M   R672   70795040   2001-000429   R-CARBON.4 7KOHM.5% 1/8W.AA.TP.1 8X3.2 M   R673   70795005   2001-000429   R-CARBON.1 7KOHM.5% 1/8W.AA.TP.1 8X3.2 M   R674   70795006   2001-000409   R-CARBON.1 7KOHM.5% 1/8W.AA.TP.1 8X3.2 M   R675   7079507   2001-000603   R-CARBON.1 80OHM.5% 1/8W.AA.TP.1 8X3.2 M   R676   7079502   2001-000633   R-CARBON.2 KOHM.5% 1/8W.AA.TP.1 8X3.2 M   R677   70795021   2001-000522   R-CARBON.2 KOHM.5% 1/8W.AA.TP.1 8X3.2 M   R678   70795021   2001-000522   R-CARBON.2 KOHM.5% 1/8W.AA.TP.1 8X3.2 M   R679   70795019   2001-000522   R-CARBON.2 KOHM.5% 1/8W.AA.TP.1 8X3.2 M   R6862   70795021   2001-000522   R-CARBON.2 KOHM.5% 1/8W.AA.TP.1 8X3.2 M   R687   70795052   2001-000660   R-CARBON.3 KOHM.5% 1/8W.AA.TP.1 8X3.2 M   R6887   70795005   2001-000429   R-CARBON.3 KOHM.5% 1/8W.AA.TP.1 8X3.2 M   R689   70795005   2001-000429   R-CARBON.1 KOHM.5% 1/8W.AA.TP.1 8X3.2 M   R691   70795005   2001-000429   R-CARBON.2 KOHM.5% 1/8W.AA.TP.1 8X3.2 M   R694   70795005   2001-000429   R-CARBON.1 KOHM.5% 1/8W.AA.TP.1 8X3.2 M   R694   70795005   2001-000429   R-CARBON.1 KOHM.5% 1/8W.AA.TP.1 8X3.2 M   R694   70795005   2001-000429   R-CARBON.1 KOHM.5% 1/8W.AA.TP.1 8X3.2 M   R6960   70795005   2001-000429   R-CARBON.1 KOHM.5% 1/8W.AA.TP.1 8X3.2 M   R690   70795005   2001-000429   R-CARBON.1 KOHM.5% 1/8W.AA.TP.1 8X3.2 M   R690   70795005   2001-000429   R-CARBON.1 KOHM.5% 1/8W.AA.TP.1 8X3.2 M   V-730EF/610EF/730UK/740EG/730EG Only V-7					
R872         70795040         2001-000734         R-CARBON.1 KOHM.5%.1/8W.AA.TP.1 8X3.2MM           R8673         70795005         2001-000429         R-CARBON.1 KOHM.5%.1/8W.AA.TP.1 8X3.2MM           R8674         70795006         2001-000405         R-CARBON.1 ROHM.5%.1/8W.AA.TP.1 8X3.2MM           R8675         70795029         2001-000633         R-CARBON.3 ROHM.5%.1/8W.AA.TP.1 8X3.2 MM           R8676         70795021         2001-000522         R-CARBON.22 KOHM.5%.1/8W.AA.TP.1 8X3.2 MM           R877         70795021         2001-000522         R-CARBON.22 KOHM.5%.1/8W.AA.TP.1 8X3.2 MM           R8679         70795019         2001-000522         R-CARBON.22 KOHM.5%.1/8W.AA.TP.1 8X3.2 MM           R8681         70795021         2001-000522         R-CARBON.22 KOHM.5%.1/8W.AA.TP.1 8X3.2 MM           R8685         70795032         2001-000522         R-CARBON.22 KOHM.5%.1/8W.AA.TP.1 8X3.2 MM           R8687         70795003         2001-000660         R-CARBON.3 KOHM.5%.1/8W.AA.TP.1 8X3.2 MM           R890         70795019         2001-000429         R-CARBON.5 KOHM.5%.1/8W.AA.TP.1 8X3.2 MM           R692         70795005         2001-000429         R-CARBON.1 KOHM.5%.1/8W.AA.TP.1 8X3.2 MM           R6901         70795005         2001-000429         R-CARBON.1 KOHM.5%.1/8W.AA.TP.1 8X3.2 MM           R6B10					
R873         70795005         2001-000429         R-CARBON:1KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R8674         70795066         2001-000290         R-CARBON;18KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R876         7079507         2001-000633         R-CARBON;18KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R8676         70795021         2001-000622         R-CARBON;28KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R8678         70795021         2001-000522         R-CARBON;22KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R8679         70795019         2001-000522         R-CARBON,22KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R8682         70795021         2001-000522         R-CARBON,22KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R8685         70795032         2001-000522         R-CARBON,22KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R8687         70795005         2001-000660         R-CARBON,33KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R8690         70795005         2001-000660         R-CARBON,56KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R8691         70795005         2001-000429         R-CARBON,1KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R8692         70795005         2001-000429         R-CARBON,1KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R8691         70795005         2001-000429         R-CARBON,1KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R86901         7079					
R675         70795607         2001-000405         R-CARBON,1800HM,5%,1/8W,AA,TP,1.8X3.2MM           R676         70795029         2001-000633         R-CARBON,30KOHM,5%,1/8W,AA,TP,1.8X3.2MM           R678         70795021         2001-000522         R-CARBON,22KOHM,5%,1/8W,AA,TP,1.8X3.2MM           R678         70795019         2001-000515         R-CARBON,22KOHM,5%,1/8W,AA,TP,1.8X3.2MM           R682         70795021         2001-000522         R-CARBON,22KOHM,5%,1/8W,AA,TP,1.8X3.2MM           R687         70795032         2001-000660         R-CARBON,32KOHM,5%,1/8W,AA,TP,1.8X3.2MM           R687         70795005         2001-000660         R-CARBON,31KOHM,5%,1/8W,AA,TP,1.8X3.2MM           R680         70795005         2001-000864         R-CARBON,56KOHM,5%,1/8W,AA,TP,1.8X3.2MM           R691         70795005         2001-000429         R-CARBON,1KOHM,5%,1/8W,AA,TP,1.8X3.2MM           R692         70795005         2001-000429         R-CARBON,1KOHM,5%,1/8W,AA,TP,1.8X3.2MM           R693         70795005         2001-000429         R-CARBON,1KOHM,5%,1/8W,AA,TP,1.8X3.2MM           R6801         70795005         2001-000429         R-CARBON,1KOHM,5%,1/8W,AA,TP,         V-730EF/610EF/730UK/40EG/730EG Only           R6B01         70795005         2001-000429         R-CARBON,1KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-730EF/610E			2001-000429	R-CARBON;1K0HM,5%,1/8W,AA,TP,1.8X3.2MM	
R670					
R677         70795021         2001-000522         R-CARBON,22KOHM,5%,1/8W,AA,TP1,8X3.2MM           R678         70795021         2001-000522         R-CARBON,22COHM,5%,1/8W,AA,TP1,8X3.2MM           R682         70795021         2001-000525         R-CARBON,22COHM,5%,1/8W,AA,TP1,8X3.2MM           R682         70795032         2001-000660         R-CARBON,3KOHM,5%,1/8W,AA,TP1,8X3.2MM           R687         70795005         2001-000864         R-CARBON,3KOHM,5%,1/8W,AA,TP1,8X3.2MM           R690         70795047         2001-000864         R-CARBON,56KOHM,5%,1/8W,AA,TP1,8X3.2MM           R691         70795019         2001-000515         R-CARBON,1KOHM,5%,1/8W,AA,TP1,8X3.2MM           R692         70795005         2001-000429         R-CARBON,1KOHM,5%,1/8W,AA,TP1,8X3.2MM           R693         70795005         2001-000429         R-CARBON,1KOHM,5%,1/8W,AA,TP1,8X3.2MM           R694         70795005         2001-000429         R-CARBON,1KOHM,5%,1/8W,AA,TP1,8X3.2MM           R6B01         70795005         2001-000429         R-CARBON,1KOHM,5%,1/8W,AA,TP1         V-730EF/610EF/730UK/740EG/730EG Only           R6B01         70795005         2001-000429         R-CARBON,1KOHM,5%,1/8W,AA,TP1         V-730EF/610EF/730UK/740EG/730EG Only           R6B11         70795005         2001-000329         R-CARBON,1KOHM,5%,1/8W,AA,TP1					
R678         70795021         2001-000522         R-CARBON,22XOHM,5%,1/8W,AA,TP.1.8X3.2MM           R679         70795019         2001-000515         R-CARBON,22XOHM,5%,1/8W,AA,TP.1.8X3.2MM           R682         70795021         2001-000522         R-CARBON,22XOHM,5%,1/8W,AA,TP.1.8X3.2MM           R685         70795032         2001-000660         R-CARBON,33XOHM,5%,1/8W,AA,TP.1.8X3.2MM           R687         70795005         2001-000429         R-CARBON,15KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R691         70795019         2001-000429         R-CARBON,15KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R692         70795005         2001-000429         R-CARBON,1KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R693         70795005         2001-000429         R-CARBON,1KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R694         70795005         2001-000429         R-CARBON,1KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R6801         70795005         2001-000429         R-CARBON,1KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R6801         70795005         2001-000429         R-CARBON,1KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R6801         70795005         2001-000429         R-CARBON,1KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R6801         70795005         2001-000429         R-CARBON,150OHM,5%,1/8W,AA,TP.1.8X3.2MM           R6B11         70796067					
R679         70795019         2001-000515         R-CARBON;2200HM,5%,1/8W,AA,TP1.8X3.2MM           R682         70795021         2001-000522         R-CARBON;22K0HM,5%,1/8W,AA,TP1.8X3.2MM           R687         70795032         2001-000660         R-CARBON;32K0HM,5%,1/8W,AA,TP1.8X3.2MM           R687         70795005         2001-000429         R-CARBON;1K0HM,5%,1/8W,AA,TP1.8X3.2MM           R690         70795047         2001-000515         R-CARBON;5K0HM,5%,1/8W,AA,TP1.8X3.2MM           R691         70795005         2001-000429         R-CARBON;1K0HM,5%,1/8W,AA,TP1.8X3.2MM           R692         70795005         2001-000429         R-CARBON;1K0HM,5%,1/8W,AA,TP1.8X3.2MM           R693         70795005         2001-000429         R-CARBON;1K0HM,5%,1/8W,AA,TP1.8X3.2MM           R6901         70795005         2001-000429         R-CARBON;1K0HM,5%,1/8W,AA,TP1.8X3.2MM           R6801         70795005         2001-000429         R-CARBON;1600HM,5%,1/8W,AA,TP.         V-730EF/610EF/730UK/740EG/730EG Only           R6802         70795005         2001-000429         R-CARBON;1500HM,5%,1/8W,AA,TP.         V-730EF/610EF/730UK/740EG/730EG Only           R6B11         70796067         2001-000262         R-CARBON;1500HM,5%,1/8W,AA,TP.1.8X3.2MM         V-510EF/720W/710W Not used           R6P02         70795004         2001-000281 <td></td> <td></td> <td></td> <td></td> <td></td>					
R685         70795032         2001-000660         R-CARBON;3XOHM,5%,1/8W,AA,TP.1 8X3.2MM           R687         70795047         2001-000864         R-CARBON;6KOHM,5%,1/8W,AA,TP.1 8X3.2MM           R691         70795019         2001-000515         R-CARBON;2200HM,5%,1/8W,AA,TP.1 8X3.2MM           R692         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP.1 8X3.2MM           R693         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP.1 8X3.2MM           R694         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP.1 8X3.2MM           R6801         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP.         V-730EF/610EF/730UK/740EG/730EG Only           R6802         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP.         V-730EF/610EF/730UK/74DEG/730EG Only           R6801         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP.         V-730EF/610EF/730UK/74DEG/730EG Only           R6810         70795005         2001-000429         R-CARBON;1S0OHM,5%,1/8W,AA,TP.         V-730EF/610EF/730UK/74DEG/730EG Only           R6B11         70796067         2001-000362         R-CARBON;1S0OHM,5%,1/8W,AA,TP.1 8X3.2MM         V-510EF/720W/710W Not used           R6P02         70795004         2001-000281         R-CARBON;20MHM,5%,1/8W,AA,TP.1 8X3.2MM <td></td> <td></td> <td></td> <td></td> <td></td>					
R687         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM         R690         70795047         2001-000864         R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM         R691         70795019         2001-000515         R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM         R692         70795005         2001-000429         R-CARBON;20OHM,5%,1/8W,AA,TP,1.8X3.2MM         R693         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM         R693         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM         R690         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM         R6802         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-730EF/610EF/730UK/740EG/730EG Only           R6803         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-730EF/610EF/730UK/740EG/730EG Only					
R690         70795047         2001-000864         R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM         R691         70795019         2001-000515         R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM         R692         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM         R693         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM         R694         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-730EF/610EF/730UK/740EG/730EG Only           R6B01         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,         V-730EF/610EF/730UK/740EG/730EG Only           R6B02         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,         V-730EF/610EF/730UK/740EG/730EG Only           R6B01         70795005         2001-000429         R-CARBON;160OHM,5%,1/8W,AA,TP,         V-730EF/610EF/730UK/740EG/730EG Only           R6B10         70795005         2001-000429         R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM         V-730EF/610EF/730UK/740EG/730EG Only           R6B11         70796067         2001-000362         R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/730UK/740EG/730EG Only           R6P01         70795004         2001-000281         R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P03         70699144         2001-00290         R-CA					
R691         70795019         2001-000515         R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MM           R692         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM           R693         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM           R694         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM           R6B01         70796024         2001-000384         R-CARBON;1KOHM,5%,1/8W,AA,TP,         V-730EF/610EF/730UK/740EG/730EG Only           R6B03         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,         V-730EF/610EF/730UK/740EG/730EG Only           R6B10         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,         V-730EF/610EF/730UK/740EG/730EG Only           R6B10         70795006         2001-000362         R-CARBON;1S0OHM,5%,1/8W,AA,TP,         V-730EF/610EF/730UK/740EG/730EG Only           R6P01         70795004         2001-000362         R-CARBON;1S0OHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P03         70699144         2001-000281         R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P04         70795006         2001-000290         R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P05         7079					
R692         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM         R693         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM         R694         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM         R6B01         70796024         2001-000384         R-CARBON;1600HM,5%,1/8W,AA,TP,1.8X3.2MM         V-730EF/610EF/730UK/740EG/730EG Only           R6B02         70795005         2001-000429         R-CARBON;1600HM,5%,1/8W,AA,TP,         V-730EF/610EF/730UK/740EG/730EG Only           R6B10         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,         V-730EF/610EF/730UK/740EG/730EG Only           R6B10         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-730EF/610EF/730UK/740EG/730EG Only           R6B11         70795005         2001-000362         R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM         V-730EF/610EF/730UK/740EG/730EG Only           R6P01         70795004         2001-000281         R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P03         70699144         2001-000291         R-CARBON;20OHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P05         70795006         2001-000290         R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P05					
R693         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R694         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP.1.8X3.2MM           R6B01         70796024         2001-000384         R-CARBON;1600HM,5%,1/8W,AA,TP,         V-730EF/610EF/730UK/740EG/730EG Only           R6B02         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,         V-730EF/610EF/730UK/740EG/730EG Only           R6B03         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,         V-730EF/610EF/730UK/740EG/730EG Only           R6B01         70796067         2001-000362         R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-730EF/610EF/730UK/740EG/730EG Only           R6P01         707950067         2001-000362         R-CARBON;1S0OHM,5%,1/8W,AA,TP,1.8X3.2MM         V-730EF/610EF/730UK/740EG/730EG Only           R6P01         70795004         2001-000281         R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P03         70699144         2001-000472         R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P04         70795006         2001-000290         R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P05         70795046         2001-0000490         R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8					
R6B01         70796024         2001-000384         R-CARBON;1600HM,5%,1/8W,AA,TP,         V-730EF/610EF/730UK/740EG/730EG Only           R6B02         70795005         2001-000429         R-CARBON;1K0HM,5%,1/8W,AA,TP,         V-730EF/610EF/730UK/740EG/730EG Only           R6B03         70795005         2001-000429         R-CARBON;1K0HM,5%,1/8W,AA,TP,         V-730EF/610EF/730UK/740EG/730EG Only           R6B10         707950067         2001-000362         R-CARBON;1500HM,5%,1/8W,AA,TP,1.8X3.2MM         V-730EF/610EF/730UK/740EG/730EG Only           R6B11         707950067         2001-000362         R-CARBON;1500HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/730UK/740EG/730EG Only           R6P01         70795004         2001-000362         R-CARBON;1500HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/730UK/740EG/730EG Only           R6P02         70795004         2001-000281         R-CARBON;1500HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P03         70699144         2001-000472         R-CARBON;2.7K0HM,5%,1/8W,AA,TP,1.8X3.2M         V-510EF/720W/710W Not used           R6P04         70795006         2001-000290         R-CARBON;10K0HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P07         70795046         2001-000802         R-CARBON;200HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P08	R693	70795005	2001-000429		
R6B02         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,         V-730EF/610EF/730UK/740EG/730EG Only           R6B03         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,         V-730EF/610EF/730UK/740EG/730EG Only           R6B10         70795005         2001-000362         R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM         V-730EF/610EF/730UK/740EG/730EG Only           R6B11         707950067         2001-000362         R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P01         70795004         2001-000281         R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P02         70795004         2001-000472         R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M         V-510EF/720W/710W Not used           R6P03         70699144         2001-000290         R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P05         70795006         2001-000290         R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P06         70795046         2001-000802         R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P08         70795028         2001-000449         R-CARBON;3C2,KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Only           R6P10         70795019 <td></td> <td></td> <td></td> <td></td> <td>V 700EF (010EF (700HK /740EC /700EC O-1)</td>					V 700EF (010EF (700HK /740EC /700EC O-1)
R6B03         70795005         2001-000429         R-CARBON;1KOHM,5%,1/8W,AA,TP,         V-730EF/610EF/730UK/740EG/730EG Only           R6B10         70796067         2001-000362         R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM         V-730EF/610EF/730UK/740EG/730EG Only           R6B11         70796067         2001-000362         R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P01         70795004         2001-000281         R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P02         70795004         2001-000281         R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P03         70699144         2001-000290         R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P04         70795006         2001-000290         R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P05         70795006         2001-000802         R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P07         70795028         2001-000490         R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P09         70795028         2001-000490         R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Only           R6P10         70795019					
R6B10         70796067         2001-000362         R-CARBON;1500HM,5%,1/8W,AA,TP,1.8X3.2MM           R6B11         70796067         2001-000362         R-CARBON;1500HM,5%,1/8W,AA,TP,1.8X3.2MM           R6P01         70795004         2001-000281         R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P02         70795004         2001-000281         R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P03         70699144         2001-000472         R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P04         70795006         2001-000290         R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P05         70795046         2001-000290         R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P07         70796356         2001-000802         R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P08         70795028         2001-000490         R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P09         70795020         2001-000490         R-CARBON;3C0HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Only           R6P10         70795019         2001-000515         R-CARBON;3200HM,5%,1/8W,AA,TP,1.8X3.2MM					
R6B11         70796067         2001-000362         R-CARBON;1500HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P01         70795004         2001-000281         R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P02         70795004         2001-000281         R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P03         70699144         2001-000472         R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P04         70795006         2001-000290         R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P05         70795046         2001-000290         R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P07         70796356         2001-000802         R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P08         70795028         2001-000490         R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Only           R6P09         70795020         2001-000449         R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Only           R6P10         70795019         2001-000515         R-CARBON;3900HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Only           R6P11         BY230090         2001-					
R6P02         70795004         2001-000281         R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P03         70699144         2001-000472         R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M         V-510EF/720W/710W Not used           R6P04         70795006         2001-000290         R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P05         70795006         2001-000290         R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P06         70795046         2001-000802         R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8X3.2M         V-510EF/720W/710W Not used           R6P07         70796356         2001-000490         R-CARBON;2000HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P08         70795028         2001-000007         R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Only           R6P10         70795019         2001-000449         R-CARBON;220HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Only           R6P10         70795019         2001-000515         R-CARBON;3900HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Only           R6P11         BY230090         2001-000005         R-CARBON;3900HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Only	R6B11	70796067	2001-000362		
R6P03         70699144         2001-000472         R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M         V-510EF/720W/710W Not used           R6P04         70795006         2001-000290         R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P05         70795006         2001-000290         R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P06         70795046         2001-000802         R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P07         70796356         2001-000490         R-CARBON;2000HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P08         70795028         2001-000007         R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Only           R6P10         70795019         2001-000449         R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Only           R6P10         70795019         2001-000515         R-CARBON;3900HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Only           R6P11         BY230090         2001-000005         R-CARBON;3900Hm,5%,1/8W,AA,TP,1.8X3.2mm         V-510EF/720W/710W Only					
R6P04         70795006         2001-000290         R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P05         70795006         2001-000290         R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P06         70795046         2001-000802         R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P07         70796356         2001-000490         R-CARBON;2000HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P08         70795028         2001-000007         R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Only           R6P10         70795019         2001-000449         R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Only           R6P11         BY230090         2001-000055         R-CARBON;3900hm,5%,1/8W,AA,TP,1.8X3.2mm         V-510EF/720W/710W Only					
R6P05         70795006         2001-000290         R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P06         70795046         2001-000802         R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8X3.2M         V-510EF/720W/710W Not used           R6P07         70796356         2001-000490         R-CARBON;2000HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P08         70795028         2001-000007         R-CARBON;3XOHM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Only           R6P10         70795019         2001-000515         R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Only           R6P11         BY230090         2001-000005         R-CARBON;390ohm,5%,1/8W,AA,TP,1.8X3.2mm					
R6P06         70795046         2001-000802         R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2m         V-510EF/720W/710W Not used           R6P07         70796356         2001-000490         R-CARBON;2000HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Not used           R6P08         70795028         2001-000007         R-CARBON;3K0HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Only           R6P09         70795020         2001-000449         R-CARBON;2.2K0HM,5%,1/8W,AA,TP,1.8X3.2M         V-510EF/720W/710W Only           R6P10         70795019         2001-000515         R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Only           R6P11         BY230090         2001-000005         R-CARBON;3900hm,5%,1/8W,AA,TP,1.8x3.2mm					
R6P08         70795028         2001-000007         R-CARBON;3K0HM,5%,1/8W,AA,TP,1.8X3.2MM           R6P09         70795020         2001-000449         R-CARBON;2.2K0HM,5%,1/8W,AA,TP,1.8X3.2M         V-510EF/720W/710W Only           R6P10         70795019         2001-000515         R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MM         V-510EF/720W/710W Only           R6P11         BY230090         2001-000005         R-CARBON;3900hm,5%,1/8W,AA,TP,1.8X3.2mm			2001-000802	R-CARBON, 5.6 Kohm, 5%, 1/8W, AA, TP, 1.8 x 3.2 m	V-510EF/720W/710W Not used
R6P09 70795020 2001-000449 R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M V-510EF/720W/710W Only R6P10 70795019 2001-000515 R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MM R6P11 BY230090 2001-000005 R-CARBON;3900hm,5%,1/8W,AA,TP,1.8X3.2mm					
R6P10 70795019 2001-000515 R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MM R6P11 BY230090 2001-000005 R-CARBON;390ohm,5%,1/8W,AA,TP,1.8X3.2mm					\/ 510EE/720\M/710\M/ Only
R6P11 BY230090 2001-000005 R-CARBON;390ohm,5%,1/8W,AA,TP,1.8x3.2mm					· · · · · · · · · · · · · · · · · · ·
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Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
R707	70795013	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R708	70795026	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R709	70795019	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MM	
R710	70795008	2001-000435	R-CARBON,1MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R727	70795014	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R728	70795014	2001-000008	R-CARBON;15K0HM,5%,1/8W,AA,TP,1.8X3.2MM	
R731	70795006	2001-000290	R-CARBON;10K0HM,5%,1/8W,AA,TP,1.8X3.2MM	
R732	BY230100	2001-000666	R-CARBON;330HM,5%,1/8W,AA,TP,1.8X3.2MM	
R801	70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R802	70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R803 R805	70795057	2001-000995	R-CARBON;8200HM,5%,1/8W,AA,TP,1.8X3.2MM	
R806	70795025 70795025	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM	
R807	70795025	2001-000554 2001-000969	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM	
R808	70795054	2001-000969	R-CARBON;750HM,5%,1/8W,AA,TP,1.8X3.2MM R-CARBON;750HM,5%,1/8W,AA,TP,1.8X3.2MM	
R809	70795054	2001-000969	R-CARBON,750HM,5%,1/8W,AA,TP,1.8X3.2MM	"HW" Madala Nat used
R810	70795025	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM	"UK" Models Not used
R811	70795025	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM	
R812	70795054	2001-000969	R-CARBON;750HM,5%,1/8W,AA,TP,1.8X3.2MM	
R813	70795025	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM	
R814	70795025	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM	
R815	70795025	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM	
R816	70795025	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM	
R819	70795025	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM	"UK" Models Not used
R820	70795025	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM	"UK" Models Not used
R821	70795032	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R822	70795021	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R823	70795026	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R824	70795026	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
S601	BY530003	0603-001011	PHOTO-TR;NPN,35V,6V,50mA,75mW,BK	
S602	BY530003	0603-001011	PHOTO-TR;NPN,35V,6V,50mA,75mW,BK	
W229	70795609	2001-000605	R-CARBON;3.6K0HM,5%,1/8W,AA,TP,1.8X3.2MM	
W421	70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP, V	-730EF/730UK/740EG/730EG/720W/710W Only
<miscel< td=""><td>LANEOUS&gt;</td><td></td><td></td><td></td></miscel<>	LANEOUS>			
CN1SS1	70796223	3711-000178	CONNECTOR-HEADER; 1WALL, 2P, 1R, 3.96mm, STRA	
CN301	70796387	3708-000391	CONNECTOR-FPC/FC/PIC;10P,1.25MM,STRAIGHT	
CN3A01	BY634038	3708-001302	CONNECTOR-FPC/FC/PIC;7P,1.25mm,STRAIGHT,	
CN3A02	70796246	3711-002445	CONNECTOR-HEADER;BOX,2P,2R,1.5MM,STRAIGH	
CN4N01	BY634116	3711-003176	CONNECTOR-HEADER; NOWALL, 10P, 1R, 2.5mm, AN	G ,
CN601	BY634047	AC39-20817S	LEAD CONNECTOR-ASSY;DP,SMH200-02,YBH200-	
CN602	BY634003	3708-001163	CONNECTOR-FPC/FC/PIC;5P,1.25mm,STRAIGHT,	
CN604	BY634026	3711-003749	CONNECTOR-HEADER; BOX, 8P, 2R, 2mm, STRAIGHT,	
CN701	70795274	3711-001198	CONNECTOR-HEADER; NOWALL, 10P, 1R, 2mm, ANGL	
CN702	70795274	3711-001198	CONNECTOR-HEADER; NOWALL, 10P, 1R, 2mm, ANGL	
CN704	BY634040	3711-004013		-730EF/730UK/740EG/730EG/720W/710W Only
CN705	BY634039	3710-001385	CONNECTOR-SOCKET;10P,1R,2mm,ANGLE,SN	
DT701	BY634119	AC07-20051C	VF-DISPLAY;SVV-07SS27,15SEG,20.5X75.0,SV	<b>A</b>
F1SS01 JC801	BY634268 BY634117	3601-001208 3722-001093	FUSE-CARTRIDGE;250V,1.6A,TIME-LAG,GLASS	$\Delta$
JC802	BY634177	AC37-22002F	JACK-RCA;42P,3.81MM,SN,BLU/BLK,#20-28	
JK701	BY634045	AC37-22002E AC37-22002H	JACK-PIN;3.5MM,DPAE9634,2P,TR,- JACK-PIN;3.2mm,DPSE-9826,3P,10mm,ARREY	
PT1SS1	BY634271	AC26-00001L	TRANS-SWITCHING;-,-,-,230V,DEMCO,EE2821,	$\Delta$
PT601	BY530005	0604-001122	PHOTO-INTERRUPTER;TR,0.065%,150mW,DIP-4,	<u>~~</u>
PT602	BY530005	0604-001122	PHOTO-INTERRUPTER; TR, 0.065%, 150mW, DIP-4,	
RM701	BY634036	AC59-60060A	MODULE-REMOCON; GP1U281R, SHARP, 38KHZ,-,-,	
SW601	BY632004	AC34-20100A	SWITCH-MODE;-,-,X-9,-	
SW602	BY632005	AC34-20100B	SWITCH-REC;-,-,X-9,-	
SW701	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S	
SW703	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S	
SW708	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S	
SW709	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S	
SW712	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S	
SW714	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S	
SW715	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S	
SW716	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S	
SW719	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S	
SW720	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S	
SW721	70795181	3404-001008	SWITCH-TACT;12V,20mA,160+-50,6x7.9x3.5mm	
SW801	BY632010	3404-000135	SWITCH-TACT; 12V,50mA,160+-50gf,7.4x7.1mm	"FF"   K # = -1 = 1 = -0   1
TM401 TM401	BY630052	AC40-30072F	TM-BLOCK;TCMM0601PD08A,SECAM-L/G/I/K,181	
VA1SS1	BY630053 BY634022	AC40-30072H 1405-001026	TM-BLOCK;TCMK0601PD08A,PAL-BG/I/DK,HI-F VARISTOR;470V,600A,9x7mm,TP	"UK/EG/W" Models Only ⚠
XT301	BY633009	2801-001397	CRYSTAL-UNIT;4.433619MHZ,HC-49/U-S 15PPM	717
XT4N01	BY633011	2801-001397	CRYSTAL-UNIT;18.432MHz,20PPM,28-AAM,4PF,	
XT601	BY633003	2801-003171	CRYSTAL-UNIT;32.768KHz,20ppm,28-AAP,12.5	
XT602	BY633010	2801-003139	CRYSTAL-UNIT;8MHz,50ppm,28-AAA,22pF,80oh	
XT701	BY633014	2801-003868	CRYSTAL-UNIT;5MHz,30ppm,28-AAA,12pF,100o	

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## 7-2 MONO Models (V-430EF/230EF/220EF/430YK/230UK/220UK/210UK/430EG/230EG/210EG/420W/410W/220W/210W)

Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
- PAC	KING PART	'S -		
A701	BY730586	AC69-00067D	PACKING-CASE;V-430EF,-,-,-,SW2+YEL,-,-	V-430EF
70701	BY730587	AC69-00067E	PACKING-CASE;V-230EF,-,-,-,SW2+YEL,-,-	V-230EF
	BY730467	AC69-00067F	PACKING-CASE;V-220EF,-,-,-,SW2+YEL,-,-	V-220EF
	BY730575	AC69-00042B	PACKING CASE; V-430UK,-,-,428,150,YEL,-,-	V-430UK
	BY730576	AC69-00042C	PACKING CASE;V-230UK,-,-,428,150,YEL,-,-	V-230UK
	BY730577	AC69-00042D	PACKING CASE;V-220UK,-,-,428,150,YEL,-,-	V-220UK
	BY730578	AC69-00042E	PACKING CASE;V-210UK,-,-,428,150,YEL,-,-	V-210UK
	BY730579	AC69-00042F	PACKING CASE;V-430EG,-,-,428,150,YEL,-,-	V-430EG
	BY730580 BY730581	AC69-00042G AC69-00042H	PACKING CASE;V-230EG,-,-,428,150,YEL,-,- PACKING CASE;V-210EG,-,-,428,150,YEL,-,-	V-230EG V-210EG
	BY730584	AC69-00042H	PACKING CASE, V-2 10EG, -, -, 428, 150, YEL, -, - PACKING CASE; V-420W, -, -, 428, 150, YEL, -, -,	V-210EG V-420W
	BY730582	AC69-00042J	PACKING CASE;V-410W,-,-,428,150,YEL,-,-,	V-420VV V-410W
	BY730585	AC69-00042M	PACKING CASE;V-220W,-,-,428,150,YEL,-,-,	V-220W
	BY730583	AC69-00042K	PACKING CASE;V-210W,-,-,428,150,YEL,-,-,	V-210W
A702	BY730464	AC69-00041A	CUSHION-F/B;M-656/TSB,EPS,-,-,-,-	"EF" Models Only
	BY730125	AC69-20362A	CUSHION-F/B;M-685,EPS 58,-,-,-,M-685	"UK/EG/W" Models Only
UT01	BY634317	AC59-00015M	REMOCON-ASSY;-,VT-430EF(70148447),-,-,V-	V-430EF
	BY634277	AC59-00015N	REMOCON ASSY: -,VT-230EF(70148448),-,-,V-	V-230EF/220EF
	BY634312 BY634313	AC59-00015C AC59-00015D	REMOCON-ASSY;-,VT-430UK(70148441),-,-,V- REMOCON-ASSY;-,VT-220UK(70148442),-,-,V-	V-430UK/230UK V-220UK
	BY634314	AC59-00015E	REMOCON-ASSY;-,VT-210UK(70148443),-,-,V-	V-2200K V-210UK
	BY634315	AC59-00015G	REMOCON-ASSY;-,VT-430EG(70148437),-,-,V-	V-430EG/230EG
	BY634316	AC59-00015H	REMOCON-ASSY;-,VT-210EG(70148438),-,-,V-	V-210EG
	BY634318	AC59-00015Q	REMOCON-ASSY;-,VT-410W(70148450),-,-,V-4	V-420W/410W
	BY634319	AC59-00015R	REMOCON-ASSY;-,VT-210W(70148451),-,-,V-2	V-220W/210W
Y101	BY634303	AC68-00642A	MANUAL USERS;V-230EF/TSB,-,-,-,-,-,-	V-430EF/230EF
	BY634281	AC68-00643A	MANUAL USERS;V-220EF/TSB,-,-,-,-,-,-	V-220EF
	BY634304	AC68-00650A	MANUAL USERS;V-430UK/TSB,-,-,-,-,-,-	V-430UK/230UK
	BY634301 BY634305	AC68-00661A AC68-00653A	MANUAL USERS;V-220UK/TSB,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-	V-220UK
	BY634306	AC68-00656A	MANUAL USERS;V-430EG/TSB,-,-,-,-,-,-	V-210UK V-430EG/230EG
	BY634307	AC68-00658A	MANUAL USERS;V-210EG/TSB,-,-,-,-,-	V 430EG/230EG V-210EG
	BY634309	AC68-00667A	MANUAL USERS;V-410W/TSB,ENG+ITA,-,-,-,-	V-420W/410W
	BY634310	AC68-00668A	MANUAL USERS;V-210W/TSB,ENG+ITA,-,-,-,-	V-220W/210W
Y102	BY634308	AC68-00664A	MANUAL USERS;V-410W/TSB,RUSIA+SPA,-,-,-,-	V-410W
	BY634311	AC68-00671A	MANUAL USERS;V-210W/TSB,RUSIA+SPA,-,-,-,-	V-210W
Y103	BY634253	AC39-00017A	CABLE-ETC-RF(PAL);-,MALE/FEMALE,1200MM,R	ALL Models
- INS	TRUMENT I	PARTS -		
1	BY730549	AC97-00672A	ASSY-PANEL FRONT; V-430EF, HIPS 94HB, -	V-430EF
	BY730550	AC97-00673A	ASSY-PANEL FRONT;V-230EF,HIPS 94HB,-	V-230EF
	BY730472	AC97-00674A	ASSY-PANEL FRONT;V-220EF,HIPS 94HB,-	V-220FF
	BY730551	AC97-00685A	ASSY-PANEL FRONT; V-430UK/TSB, HIPS94HB, GR	V-430UK
	BY730552	AC97-00685B	ASSY-PANEL FRONT; V-230UK/TSB, HIPS94HB, GR	V-230UK
	BY730553	AC97-00685C	ASSY-PANEL FRONT;V-220UK/TSB,HIPS94HB,GR ASSY-PANEL FRONT;V-210UK/TSB,HIPS94HB,GR	V-220UK V-210UK
	BY730554 BY730555	AC97-00685D AC97-00685E	ASSY-PANEL FRONT; V-430EG/TSB, HIPS94HB, 87	V-2100K V-430EG
	BY730556	AC97-00685F	ASSY-PANEL FRONT; V-230EG/TSB, HIPS94HB, 87	V-430EG V-230EG
	BY730557	AC97-00685G	ASSY-PANEL FRONT; V-210EG/TSB, HIPS94HB, 87	V-210EG
	BY730560	AC97-00685N	ASSY-PANEL FRONT; HIPS94HB, V-420W/TSB, 874	V-420W
	BY730558	AC97-00685H	ASSY-PANEL FRONT; V-410W/TSB, HIPS94HB, GRA	V-410W
	BY730561	AC97-00685P	ASSY-PANEL FRONT;HIPS94HB,V-220W/TSB,87	V-220W
	BY730559	AC97-00685J	ASSY-PANEL FRONT;V-210W/TSB,HIPS94HB,GRA	V-210W
21	BY730562	AC64-00135H	DOOR-CASSETTE;-,ABS94HB BRN,-,-,-,SILVER	V-430EF
	BY730563	AC64-00135J	DOOR-CASSETTE;-,ABS94HB BRN,-,-,-,SILVER	V-230EF
	BY730461 BY730568	AC64-00135K AC64-52175T	DOOR-CASSETTE;-,ABS94HB BRN,-,-,-,SILVER DOOR-CASSETTE:-,ABS94HB,-,T2.5,-,BLK,-,V	V-220EF V-430UK
	BY730569	AC64-52175U	DOOR-CASSETTE:-,ABS94HB,-,T2.5,-,BLK,-,V	V-4300K V-230UK
	BY730570	AC64-52175V	DOOR-CASSETTE;-,ABS94HB,-,T2.5,-,BLK,-,V	V-220UK
	BY730571	AC64-52175W	DOOR-CASSETTE;-,ABS94HB,-,T2.5,-,BLK,-,V	V-210UK
	BY730572	AC64-52175X	DOOR-CASSETTE;-,ABS94HB,-,T2.5,-,BLK,-,V	V-430EG
	BY730573	AC64-52175Y	DOOR-CASSETTE;-,ABS94HB,-,T2.5,-,BLK,-,V	V-230EG
	BY730574	AC64-52175Z	DOOR-CASSETTE;-,ABS94HB,-,T2.5,-,BLK,-,V	V-210EG
	BY730566	AC64-00310F	DOOR-CASSETTE;-,ABS94HB,-,T2.5,-,BLK,-,V	V-420W
	BY730564	AC64-00310A	DOOR-CASSETTE;-,ABS94HB,-,T2.5,-,BLK,-,V	V-410W
	BY730567	AC64-00310G	DOOR-CASSETTE; ABS94HB, -,T2.5,-,BLK,-,V	V-220W
22	BY730565 BY730093	AC64-00310B AC61-62032A	DOOR-CASSETTE;-,ABS94HB,-,T2.5,-,BLK,-,V SPRING-MASK;X-9,-,SUS,-,4.4,-,SV-C130	V-210W ALL Models
101	BY730313	AC64-30899C	CABINET-TOP-ASSY;-,PCM(SECC),-,0.525,380	V-430EF/230EF/220EF
101	BY730313	AC64-30899B	CABINET-TOT-A331,-,1 CM(3ECG),-,0.323,366 CABINET-TOP;V-629G/TSB,PCM MD552,SECC,T0	V-430UK/230UK/220UK/210UK
	BY730314	AC64-30899D	CABINET-TOP-ASSY;-,PCM(SECC),-,0.525,380	V-430EG/230EG/210EG
	BY730314	AC64-30899D	CABINET-TOP-ASSY;-,PCM(SECC),-,0.525,380	V-420W/220W
105	BY730312	AC64-30899B	CABINET-TOP;V-629G/TSB,PCM MD552,SECC,TO	V-410W/210W
102	BY730280	AC63-32128A	COVER-BOTTOM;SV-C140F,SECC,387.7X197.6,T	ALL Models

Loc.No.

TSB Parts No.

			2 Population 1 obostucation	Helliak
153	70790218	AC60-12126A	SCREW-BH;-,BH,-,4*12,FE,FZY,-,-,-	ALL Models
155	70790082	AC60-12134A	SCREW-TAP BH;-,BH,-2-4X16,-,FE	ALL Models
156	BY730204	AC60-00001A	SCREW-MACHINE;-,BH,*,4X12,M4,L12,BLK,SMC	ALL Models
157	70790002	AC60-10063A	SCREW-TAPTITE;BH,+,-,M3,L12,ZPC3,SWRCH18	ALL Models
200	BY634124	AC39-10019A	POWER CORD;KKP-419C,H03VVH2-F,VDE/KEMA-K	"EF/EG/W" MODEL Only
	BY634126	AC39-12022K	POWER-CORD;Y352160,H03VVH2-F,-,BS6500,1.	"UK" MODEL Only
CN3A1S	BY634118	3809-001111	CABLE-FLAT;30V,80C,130mm,7P,1.25mm,UL289	ALL Models
	BY634007			
CN602A		3809-001049	CABLE-FLAT;30V,80C,100MM,5P,1.25MM,UL289	ALL Models
LD601S	BY730082	AC61-21009A	HOLDER-LED;-,POM(M90-44),-,BLK,-,X-9	ALL Models
S601S	BY730080	AC61-21008A	HOLDER-SENSOR;-,POM(M90-44),-,BLK,-,X-9	ALL Models
S602S	BY730080	AC61-21008A	HOLDER-SENSOR;-,POM(M90-44),-,BLK,-,X-9	
				ALL Models
TM401B	BY730222	AC61-11061D	CONNECTOR BOARD-ASSY;V-629B/TSB,HIPS94,H	V-430EF/230EF/220EF
	BY730224	AC61-11061F	CONNECTOR BOARD-ASSY;V-429B/TSB,HIPS94,H	V-430UK/230UK.220UK
	BY730225	AC61-11061G	CONNECTOR BOARD-ASSY;V-209B/TSB,HIPS94,H	V-210UK
	BY730223	AC61-11061E	CONNECTOR BOARD-ASSY;V-429G/TSB,HIPS94,H	V-430EG/230EG/210EG
	BY730223	AC61-11061E	CONNECTOR BOARD-ASSY;V-429G/TSB,HIPS94,H	V-420W/410W
	BY730225	AC61-11061G	CONNECTOR BOARD-ASSY;V-209B/TSB,HIPS94,H	V-220W/210W
- MEC	HANICAL P	ADTC _		
- IVILG	IIANICAL F	Anis -		
B238	BY730087	AC61-50660A	SLEEVE-TENSION;-,POM M90-44,-,-,ID3,-,-,	
B239	BY730234	AC61-21004A	CAP-#8 GUIDE;-,POM M90-44,-,NTR,-,X-9	
	BY730247			
B257		AC61-50661A	POST-MAIN PCB;-,POM M90-44,-,-,NTR,-,X-9	
B258	BY730266	AC61-50684A	GUIDE-MAIN PCB;-,POM,OD7,L20,-,BLACK,X-9	
B410	BY730456	AC31-12016D	MOTOR-LOADING ASSY;-,SNHNE,-,-	
B440	BY730072	AC60-10515A	SCREW-MACHINE;-,PH,+,-,M3,L3,ZPC,-,YEL	
B444	BY730104	AC66-20571A	GEAR-WORM;-,POM SW-01,0.5,2,-,4.5,X-9	
B446	BY730079	AC61-21005A	HOLDER-WORM;-,POM M90-44,-,-,-,X-9	
B448	BY730105	AC66-20573A	GEAR-WORM WHEEL;-,POM SW-01,0.6,11,-,6.6	
B452	BY730107	AC66-20575A	GEAR-FL CAM;-,POM SW-01,M0.6,Z88,-,PCD58	
B456	BY730108	AC66-20576A	GEAR-JOINT 1;-,POM SW-01,M1.0,Z22,-,PCD2	
			, , , , , , , , , , , , , , , , , , , ,	
B458	BY730106	AC66-20574A	GEAR-JOINT 2;-,POM SW-01,M1.0,Z14,-,PCD1	
B460	BY730447	AC61-11045A	BRACKET-GEAR;-,SECC20/20,-,T1.2,-,-,X-9	
B462	BY730073	AC60-10517A	SCREW-TAP TITE;-,PH,+,-,M2.6,L5,ZPC,-,YE	
B464	BY730381	AC66-80140A		
			SLIDER-CAM;-,SECC20/20,T1.2,-,-,X-9	
B468	BY730450	AC66-30541A	LEVER-PINCH DR ASSY;-,-,-,-,X-9	
B473	BY730090	AC61-60559A	SPRING-PINCH DRIVE;-,TS,SUS304,PI0.5,OD4	
B474	BY730244	AC61-30180A	PLATE-JOINT;-,SECC20/20,T0.8,-,X-9	
B478	BY730449	AC66-30540A	LEVER-TENS DR ASSY;-,-,-,-,X-9	
B484	BY730110	AC66-20580A	GEAR-LOADING DRIVE;-,POM SW-01,M1.0,Z32,	
B488	BY730117	AC66-30543A	LEVER-S LOAD ASSY;-,-,-,X-9	
B500	BY730116	AC66-30542A	LEVER-T LOAD ASSY;-,-,-,-,X-9	
B560	BY730455	AC31-00005A	MOTOR-CAPSTAN;-,F2QSB02,-,-	
B570	BY730071	AC60-10514A	SCREW-CAPSTAN;-,PH,+,M2.6,L6,-	
G001	BY730548	AC97-00564A	ASSY-CYLINDER;CX-9T,SECAM,4HD	V-430EF
	BY730470	AC97-00547A	ASSY-CYLINDER;CX-9T,PAL,2HD	V-230EF/220EF
	BY730546	AC97-00549A	ASSY-CYLINDER;CX-9T,PAL,4HD	V-430UK/430EG/420W/410W
	BY730547	AC97-00555A		0UK/230EG/210EG/220W/210W
C 420				001/23020/21020/22000/21000
G420	BY730124	AC66-80142A	SLIDER-SUPPLY ASSY;-,X-9(TS),-,-,-,X-9	
G428	BY730451		ROLLER-SUPPLY ASSY;-,VW-32,OD7,-,X-9	
G450		AC66-40153A		
G458	BY730123	AC66-40153A AC66-80141A	SLIDER-TAKE UP ASSY;-,X-9(TS),-,-,-,X-9	
		AC66-80141A	SLIDER-TAKE UP ASSY;-,X-9(TS),-,-,-,X-9 BOLLEB-TAKE UP ASSY:- VW-32 OD7 - X-9	
	BY730452	AC66-80141A AC66-40154A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9	
G480	BY730452 BY730052	AC66-80141A AC66-40154A AC33-00003A	ROLLER-TAKE UP ASSY;-,VW-32,0D7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,-X-9	
G480 G510	BY730452 BY730052 BY730479	AC66-80141A AC66-40154A AC33-00003A 6006-001075	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,-X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC(	
G480	BY730452 BY730052	AC66-80141A AC66-40154A AC33-00003A	ROLLER-TAKE UP ASSY;-,VW-32,0D7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,-X-9	
G480 G510	BY730452 BY730052 BY730479	AC66-80141A AC66-40154A AC33-00003A 6006-001075	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,-X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC(	
G480 G510 G520 G527	BY730452 BY730052 BY730479 BY730115 BY730088	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,-,X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,-,X-9 SPRING-#9 GUIDE;-,ES,SUS304-WPB,OD3.1,0.	
G480 G510 G520 G527 G530	BY730452 BY730052 BY730479 BY730115 BY730088 BY730053	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A	ROLLER-TAKE UP ASSY;-,VW-32,0D7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,X-9 SPRING-#9 GUIDE;-,ES,SUS304-WPB,0D3.1,0. HEAD-FE;-,HVFHP0038A,-,-,-,X-9	
G480 G510 G520 G527 G530 G532	BY730452 BY730052 BY730479 BY730115 BY730088 BY730053 BY730075	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,-X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,-,X-9 SPRING-#9 GUIDE;-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC	
G480 G510 G520 G527 G530 G532 G542	BY730452 BY730052 BY730479 BY730115 BY730088 BY730053 BY730075 BY730122	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-60051A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,-X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,-X-9 SPRING-#9 GUIDE;-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9	
G480 G510 G520 G527 G530 G532 G542 G546	BY730452 BY730052 BY730479 BY730115 BY730088 BY730053 BY730075	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,-X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,-,X-9 SPRING-#9 GUIDE;-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC	
G480 G510 G520 G527 G530 G532 G542	BY730452 BY730052 BY730479 BY730115 BY730088 BY730053 BY730075 BY730122	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-60051A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,-X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,-X-9 SPRING-#9 GUIDE;-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9	
G480 G510 G520 G527 G530 G532 G542 G546 G555	BY730452 BY730052 BY730479 BY730115 BY730088 BY730053 BY730075 BY730122 BY730113 BY730070	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-60051A AC66-30535A AC59-90403A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,-X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,-X-9 SPRING-#9 GUIDE;-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,-,BLK,X-9 UNIT-PINCH ASSY;X-9,-	
G480 G510 G520 G527 G530 G532 G542 G546 G555 G680	BY730452 BY730052 BY730079 BY730115 BY730088 BY730053 BY730075 BY730122 BY730113 BY730070 BY730372	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-60051A AC66-30535A AC59-90403A AC66-30557A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,X-9 SPRING-#9 GUIDE;-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,BLK,X-9 UNIT-PINCH ASSY;X-9,- LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-,	
G480 G510 G520 G527 G530 G532 G542 G546 G555 G680 K110	BY730452 BY730052 BY730079 BY730115 BY730088 BY730075 BY730122 BY730113 BY730070 BY730372 BY730102	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-60051A AC66-30535A AC59-90403A AC66-30557A AC66-10267A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,-X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,-X-9 SPRING-#9 GUIDE:-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,-,BLK,X-9 UNIT-PINCH ASSY;X-9,- LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-, REEL-DISK S;-,POM M90-44,-,-X-9	
G480 G510 G520 G527 G530 G532 G542 G546 G555 G680 K110 K140	BY730452 BY730052 BY730052 BY730015 BY730088 BY730053 BY730075 BY730122 BY730113 BY730070 BY730372 BY730102 BY730103	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-60051A AC66-30535A AC59-90403A AC66-30557A AC66-10267A AC66-10268A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,-,X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,-,X-9 SPRING-#9 GUIDE;-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,-,BLK,X-9 UNIT-PINCH ASSY;X-9,- LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-, REEL-DISK S;-,POM M90-44,-,-,X-9 REEL-DISK T;-,POM M90-44,-,-,X-9	
G480 G510 G520 G527 G530 G532 G542 G546 G555 G680 K110	BY730452 BY730052 BY730079 BY730115 BY730088 BY730075 BY730122 BY730113 BY730070 BY730372 BY730102	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-60051A AC66-30535A AC59-90403A AC66-30557A AC66-10267A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,-X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,-X-9 SPRING-#9 GUIDE:-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,-,BLK,X-9 UNIT-PINCH ASSY;X-9,- LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-, REEL-DISK S;-,POM M90-44,-,-X-9	
G480 G510 G520 G527 G530 G532 G542 G546 G555 G680 K110 K140 K180	BY730452 BY730052 BY730052 BY730115 BY730088 BY730053 BY730075 BY730122 BY730113 BY730370 BY730372 BY730102 BY730103 BY730103 BY730103	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-60051A AC66-30535A AC59-90403A AC66-30557A AC66-10267A AC66-10268A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,-,X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,-,X-9 SPRING-#9 GUIDE;-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,-,BLK,X-9 UNIT-PINCH ASSY;X-9,- LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-, REEL-DISK S;-,POM M90-44,-,-,X-9 REEL-DISK T;-,POM M90-44,-,-,X-9	
G480 G510 G520 G527 G530 G532 G542 G546 G555 G680 K110 K140 K180 K182	BY730452 BY730052 BY730052 BY730075 BY730088 BY730075 BY730122 BY730113 BY730070 BY730372 BY730102 BY730103 BY730103 BY730369 BY730112	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-60051A AC66-30535A AC59-90403A AC66-30557A AC66-10267A AC66-10267A AC66-30548A AC66-30524A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,-,X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,-X-9 SPRING-#9 GUIDE;-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,-,BLK,X-9 UNIT-PINCH ASSY;X-9,- LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-, REEL-DISK S;-,POM M90-44,-,-,X-9 REEL-DISK T;-,POM M90-44,-,-,X-9 LEVER-IDLER ASSY;-,POM+NYLON,-,-,-,X-9 LEVER-IDLER;-,POM9044,-,-,X-9	
G480 G510 G520 G527 G530 G532 G542 G546 G555 G680 K110 K140 K180 K180 K182	BY730452 BY730052 BY730052 BY730175 BY730088 BY730053 BY730075 BY730122 BY730113 BY730070 BY730372 BY730102 BY730103 BY730369 BY730112 BY730109	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-6051A AC66-30535A AC59-90403A AC66-30557A AC66-10267A AC66-10268A AC66-30548A AC66-30548A AC66-30548A AC66-30548A AC66-30577A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,X-9 SCREW-ASSY; TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,X-9 SPRING-#9 GUIDE;-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,-,BLK,X-9 UNIT-PINCH ASSY;X-9,- LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-, REEL-DISK S;-,POM M90-44,-,-,X-9 REEL-DISK T;-,POM M90-44,-,-,X-9 LEVER-IDLER ASSY;-,POM+VICON,-,-,-,X-9 LEVER-IDLER,-,POM9044,-,-,-,- GEAR-IDLER;-,PEBAX 7033,-,-,-,X-9	
G480 G510 G520 G527 G530 G532 G542 G546 G555 G680 K110 K140 K180 K180 K182 K188	BY730452 BY730052 BY730052 BY730015 BY730088 BY730075 BY730075 BY730112 BY730113 BY730070 BY730372 BY730102 BY730103 BY730369 BY7303112 BY730109 BY730109 BY730109	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-6051A AC66-30535A AC59-90403A AC66-30557A AC66-10267A AC66-10268A AC66-30548A AC66-30548A AC66-30544A AC66-20577A AC61-21012A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,X-9 SPRING-#9 GUIDE:-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,-,BLK,X-9 UNIT-PINCH ASSY;X-9,- LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-, REEL-DISK 5;-,POM M90-44,-,-,X-9 REEL-DISK T;-,POM M90-44,-,-,X-9 LEVER-IDLER ASSY;-,POM+NYLON,-,-,-,X-9 LEVER-IDLER;-,POM9044,-,-,- GEAR-IDLER;-,PEBAX 7033,-,-,-,X-9 HOLDER-CLUTCH ASSY;-,,-X-9	
G480 G510 G520 G527 G530 G532 G542 G546 G555 G680 K110 K140 K180 K180 K182 K188	BY730452 BY730052 BY730052 BY730015 BY730088 BY730075 BY730122 BY730113 BY730070 BY730372 BY730102 BY730103 BY730369 BY730112 BY730109 BY730109 BY730109 BY730084 BY730111	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-60051A AC66-30535A AC59-90403A AC66-30557A AC66-10267A AC66-10268A AC66-30548A AC66-30548A AC66-30548A AC66-30548A AC66-20577A AC61-21012A AC66-20581A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,-,X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,-,X-9 SPRING-#9 GUIDE:,-ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,-,BLK,X-9 UNIT-PINCH ASSY;X-9,- LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-, REEL-DISK S;-,POM M90-44,-,-,X-9 REEL-DISK T;-,POM M90-44,-,-,X-9 LEVER-IDLER ASSY;-,POM+VLON,-,-,-,X-9 LEVER-IDLER;-,POM9044,-,-,-,- GEAR-IDLER;-,PEBAX 7033,-,-,-,X-9 HOLDER-CLUTCH ASSY;-,-,-,-,X-9 GEAR-CENTER ASSY;-,POM,M=0.5,-,HIGHT T.,	
G480 G510 G520 G527 G530 G532 G542 G546 G555 G680 K110 K140 K180 K180 K182 K188	BY730452 BY730052 BY730052 BY730015 BY730088 BY730075 BY730075 BY730112 BY730113 BY730070 BY730372 BY730102 BY730103 BY730369 BY7303112 BY730109 BY730109 BY730109	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-6051A AC66-30535A AC59-90403A AC66-30557A AC66-10267A AC66-10268A AC66-30548A AC66-30548A AC66-30544A AC66-20577A AC61-21012A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,X-9 SPRING-#9 GUIDE:-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,-,BLK,X-9 UNIT-PINCH ASSY;X-9,- LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-, REEL-DISK 5;-,POM M90-44,-,-,X-9 REEL-DISK T;-,POM M90-44,-,-,X-9 LEVER-IDLER ASSY;-,POM+NYLON,-,-,-,X-9 LEVER-IDLER;-,POM9044,-,-,- GEAR-IDLER;-,PEBAX 7033,-,-,-,X-9 HOLDER-CLUTCH ASSY;-,,-X-9	
G480 G510 G520 G527 G530 G532 G542 G546 G555 G680 K110 K140 K180 K180 K182 K188	BY730452 BY730052 BY730052 BY730015 BY730088 BY730075 BY730122 BY730113 BY730070 BY730372 BY730102 BY730103 BY730369 BY730112 BY730109 BY730109 BY730109 BY730084 BY730111	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-60051A AC66-30535A AC59-90403A AC66-30557A AC66-10267A AC66-10268A AC66-30548A AC66-30548A AC66-30548A AC66-30548A AC66-20577A AC61-21012A AC66-20581A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,-,X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,-,X-9 SPRING-#9 GUIDE:,-ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,-,BLK,X-9 UNIT-PINCH ASSY;X-9,- LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-, REEL-DISK S;-,POM M90-44,-,-,X-9 REEL-DISK T;-,POM M90-44,-,-,X-9 LEVER-IDLER ASSY;-,POM+VLON,-,-,-,X-9 LEVER-IDLER;-,POM9044,-,-,-,- GEAR-IDLER;-,PEBAX 7033,-,-,-,X-9 HOLDER-CLUTCH ASSY;-,-,-,-,X-9 GEAR-CENTER ASSY;-,POM,M=0.5,-,HIGHT T.,	
G480 G510 G520 G527 G530 G532 G542 G546 G555 G680 K110 K140 K180 K182 K188 K200 K221 K222 K225	BY730452 BY730052 BY730052 BY730052 BY730115 BY730088 BY730075 BY730122 BY730113 BY730370 BY730372 BY730102 BY730103 BY730103 BY730109 BY730111 BY730109 BY730109 BY730111 BY730076 BY730119	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-60051A AC66-30535A AC59-90403A AC66-30557A AC66-10267A AC66-10268A AC66-30524A AC66-30524A AC66-20577A AC66-20577A AC66-20581A AC66-30306A AC66-30306A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,-,X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,-,X-9 SPRING-#9 GUIDE:-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,-,BLK,X-9 UNIT-PINCH ASSY;X-9,- LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-, REEL-DISK 5;-,POM M90-44,-,-,X-9 REEL-DISK T;-,POM M90-44,-,-,X-9 LEVER-IDLER ASSY;-,POM+NYLON,-,-,-,X-9 LEVER-IDLER;-,POM9044,-,-,-,- GEAR-IDLER;-,PEBAX 7033,-,-,-,X-9 HOLDER-CLUTCH ASSY;-,,-,-X-9 GEAR-CENTER ASSY;-,POM,M=0.5,-,HIGHT T., WASHER-SLIT;-,-,ID2.1,OD5.0,T0.5,-,POLYS LEVER-UP DOWN ASSY;-,POM+SUS,-,-,-,X-9	
G480 G510 G520 G527 G530 G532 G542 G546 G555 G680 K110 K140 K182 K188 K200 K221 K222 K225 K240	BY730452 BY730052 BY730079 BY730115 BY730088 BY730053 BY730075 BY730122 BY730113 BY730070 BY730372 BY730102 BY730103 BY730103 BY730112 BY730109 BY730111 BY730109 BY730111 BY730111 BY730111 BY730111 BY730111 BY730111	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-60051A AC66-30535A AC59-90403A AC66-30557A AC66-10267A AC66-10268A AC66-30548A AC66-30548A AC66-20581A AC66-20581A AC66-30538A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,X-9 SCREW-ASSY; TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,X-9 SPRING-#9 GUIDE;-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,-,BLK,X-9 UNIT-PINCH ASSY;X-9,- LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-, REEL-DISK S;-,POM M90-44,-,-,X-9 REEL-DISK T;-,POM M90-44,-,-,X-9 LEVER-IDLER ASSY;-,POM+NYLON,-,-,-,X-9 LEVER-IDLER;-,POM9044,-,-,-,- GEAR-IDLER;-,PEBAX 7033,-,-,-,X-9 HOLDER-CLUTCH ASSY;-,,-,-,X-9 GEAR-CENTER ASSY;-,POM,M=0.5,-,HIGHT T, WASHER-SLIT;-,-,ID2.1,OD5.0,T0.5,-,POLYS LEVER-TENSION ASSY;-,Y-9M+SUS,-,-,-X-9 LEVER-TENSION ASSY;-,Y-9(TS),-,-,-,X-9 LEVER-TENSION ASSY;-,Y-9(TS),-,-,-,X-9	
G480 G510 G520 G527 G530 G532 G542 G546 G555 G680 K110 K140 K180 K182 K188 K200 K221 K225 K240 K248	BY730452 BY730052 BY730052 BY730015 BY730088 BY730075 BY730122 BY730113 BY730070 BY730372 BY730102 BY730103 BY730109 BY730372 BY730111 BY730111 BY730111 BY730111 BY730111 BY730111 BY730111 BY730111 BY730111 BY730111 BY730114 BY730114 BY730089	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-60551A AC66-30535A AC59-90403A AC66-30557A AC66-10267A AC66-10267A AC66-10267A AC66-20577A AC66-20581A AC66-20581A AC66-30548A AC66-30547A AC66-30547A AC66-30547A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,-,X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,X-9 SPRING-#9 GUIDE;-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,BLK,X-9 UNIT-PINCH ASSY;X-9,- LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-, REEL-DISK S;-,POM M90-44,-,X-9 LEVER-IDLER ASSY;-,POM+NYLON,-,-,-,X-9 LEVER-IDLER ASSY;-,POM+NYLON,-,-,-,X-9 HEVER-IDLER;-,PEBAX 7033,-,-,-,-,X-9 HOLDER-CLUTCH ASSY;-,,-,-,-,X-9 GEAR-CENTER ASSY;-,POM,M=0.5,-,HIGHT T., WASHER-SLIT;-,-,ID2.1,OD5.0,T0.5,-,POLYS LEVER-TENSION ASSY;-,Y-9(TS),-,-,-,-,-,X-9 SPRING-TENSION LEVER;-,ES,SUS304-WPB,OD3	
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G480 G510 G520 G527 G530 G532 G542 G546 G555 G680 K110 K140 K180 K182 K188 K200 K221 K225 K240 K248	BY730452 BY730052 BY730052 BY730015 BY730088 BY730075 BY730122 BY730113 BY730070 BY730372 BY730102 BY730103 BY730109 BY730372 BY730111 BY730111 BY730111 BY730111 BY730111 BY730111 BY730111 BY730111 BY730111 BY730111 BY730114 BY730114 BY730089	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-60551A AC66-30535A AC59-90403A AC66-30557A AC66-10267A AC66-10267A AC66-10267A AC66-20577A AC66-20581A AC66-20581A AC66-30548A AC66-30547A AC66-30547A AC66-30547A	ROLLER-TAKE UP ASSY;-,VW-32,OD7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,-,X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,X-9 SPRING-#9 GUIDE;-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,BLK,X-9 UNIT-PINCH ASSY;X-9,- LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-, REEL-DISK S;-,POM M90-44,-,X-9 LEVER-IDLER ASSY;-,POM+NYLON,-,-,-,X-9 LEVER-IDLER ASSY;-,POM+NYLON,-,-,-,X-9 HEVER-IDLER;-,PEBAX 7033,-,-,-,-,X-9 HOLDER-CLUTCH ASSY;-,,-,-,-,X-9 GEAR-CENTER ASSY;-,POM,M=0.5,-,HIGHT T., WASHER-SLIT;-,-,ID2.1,OD5.0,T0.5,-,POLYS LEVER-TENSION ASSY;-,Y-9(TS),-,-,-,-,-,X-9 SPRING-TENSION LEVER;-,ES,SUS304-WPB,OD3	
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G480 G510 G520 G527 G532 G542 G546 G555 G680 K110 K180 K182 K188 K200 K221 K222 K225 K240 K248 K248 K250 K350 K340 K350 K470	BY730452 BY730452 BY730052 BY730079 BY730115 BY730088 BY730075 BY730122 BY730113 BY730070 BY730372 BY730102 BY730103 BY730369 BY730111 BY73019 BY730111 BY730114 BY730114 BY730114 BY730114 BY730114 BY730114 BY730121 BY730121 BY730121 BY730121 BY730121 BY730120 BY730120 BY730092 BY730092 BY730092	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-60551A AC59-90403A AC59-90403A AC66-30557A AC66-10267A AC66-10267A AC66-10267A AC66-10267A AC66-20581A AC66-30548A AC66-30548A AC66-30548A AC66-30547A AC66-30547A AC66-30547A AC66-30547A AC66-30550A AC66-30550A AC66-30550A AC66-30549A AC66-30549A AC66-30549A AC66-30549A	ROLLER-TAKE UP ASSY;-,VW-32,0D7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,X-9 SPRING-#9 GUIDE;-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,BLK,X-9 UNIT-PINCH ASSY;X-9,- LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-, REEL-DISK S;-,POM M90-44,-,X-9 LEVER-IDLER ASSY;-,POM+NYLON,-,-,-,X-9 LEVER-IDLER ASSY;-,POM+NYLON,-,-,-,X-9 LEVER-IDLER;-,POM9044,-,-,-, GEAR-IDLER;-,PEBAX 7033,-,-,-,X-9 HOLDER-CLUTCH ASSY;-,POM,M=0.5,-,HIGHT T., WASHER-SLIT;-,-,ID2.1,OD5.0,T0.5,-,POLYS LEVER-UP DOWN ASSY;-,POM+SUS,-,-,-X-9 SPRING-TENSION LEVER;-,ES,SUS304-WPB,OD3 BAND-BRAKE ASSY;-,X-9(TS),-,-,-X-9 LEVER-TBRAKE ASSY;-,POM+SUS,-,-,-X-9 SPRING-BRAKE ASSY;-,POM+SUS,-,-,-X-9 SPRING-BRAKE ASSY;-,POM+SUS,-,-,-X-9 SPRING-BRAKE ASSY;-,POM+SUS,-,-,-X-9 SPRING-BRAKE ASSY;-,POM+SUS,-,-,-X-9 SPRING-BRAKE;-,TENSION,SWP-A,0.25,3,-,X- SLIDER-FL DRIVE;-,SECC E20/20,T1.2,-,-X	
G480 G510 G520 G527 G537 G532 G542 G546 G555 G680 K110 K180 K182 K188 K200 K221 K222 K225 K240 K248 K250 K330 K340 K350	BY730452 BY730452 BY730052 BY730052 BY730075 BY730088 BY730075 BY730122 BY730113 BY730370 BY730372 BY730102 BY730103 BY730109 BY730112 BY730109 BY730111 BY730076 BY730111 BY730076 BY730119 BY730119 BY730114 BY730094 BY730094 BY730120 BY730120 BY730092	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-30535A AC59-90403A AC66-30557A AC66-10267A AC66-10267A AC66-10268A AC66-30548A AC66-30544A AC66-20577A AC61-21012A AC66-20581A AC66-3054A AC66-3054A AC66-3054A AC66-30550A AC66-30550A AC66-30550A AC66-30550A AC66-30550A AC66-30550A AC66-30550A AC66-80139A AC61-610564A AC66-80139A	ROLLER-TAKE UP ASSY;-,VW-32,0D7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,X-9 SPRING-#9 GUIDE;-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,-,BLK,X-9 UNIT-PINCH ASSY;X-9,- LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-, REEL-DISK S;-,POM M90-44,-,-,X-9 REEL-DISK T;-,POM M90-44,-,-,X-9 LEVER-IDLER ASSY;-,POM+NYLON,-,-,-,X-9 LEVER-IDLER;-,PEBAX 7033,-,-,-,X-9 HOLDER-CLUTCH ASSY;-,-,-,-,X-9 GEAR-CENTER ASSY;-,POM,M=0.5,-,HIGHT T., WASHER-SLIT;,ID2.1,OD5.0,T0.5,-,POLYS LEVER-TENSION ASSY;-,X-9(TS),-,-,-,X-9 SPRING-TENSION LEVER;-,ES,SUS304-WPB,OD3 BAND-BRAKE ASSY;-,POM+SUS,-,-,-X-9 LEVER-S.BRAKE ASSY;-,POM+SUS,-,-,-X-9 SPRING-BRAKE;-,TENSION,SWP-A,0.25,3,-,X- SLIDER-FL DRIVE;-,SECC E20/20,T1.2,-,X HOLDER-CASS ASSY;-,SECC+POM+SUS,-,-,SEIN	
G480 G510 G520 G527 G532 G542 G546 G555 G680 K110 K180 K182 K188 K200 K221 K222 K225 K240 K248 K248 K250 K350 K340 K350 K470	BY730452 BY730452 BY730052 BY730079 BY730115 BY730088 BY730075 BY730122 BY730113 BY730070 BY730372 BY730102 BY730103 BY730369 BY730111 BY73019 BY730111 BY730114 BY730114 BY730114 BY730114 BY730114 BY730114 BY730121 BY730121 BY730121 BY730121 BY730121 BY730120 BY730120 BY730092 BY730092 BY730092	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-60551A AC59-90403A AC59-90403A AC66-30557A AC66-10267A AC66-10267A AC66-10267A AC66-10267A AC66-20581A AC66-30548A AC66-30548A AC66-30548A AC66-30547A AC66-30547A AC66-30547A AC66-30547A AC66-30550A AC66-30550A AC66-30550A AC66-30549A AC66-30549A AC66-30549A AC66-30549A	ROLLER-TAKE UP ASSY;-,VW-32,0D7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,X-9 SPRING-#9 GUIDE;-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,BLK,X-9 UNIT-PINCH ASSY;X-9,- LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-, REEL-DISK S;-,POM M90-44,-,X-9 LEVER-IDLER ASSY;-,POM+NYLON,-,-,-,X-9 LEVER-IDLER ASSY;-,POM+NYLON,-,-,-,X-9 LEVER-IDLER;-,POM9044,-,-,-, GEAR-IDLER;-,PEBAX 7033,-,-,-,X-9 HOLDER-CLUTCH ASSY;-,POM,M=0.5,-,HIGHT T., WASHER-SLIT;-,-,ID2.1,OD5.0,T0.5,-,POLYS LEVER-UP DOWN ASSY;-,POM+SUS,-,-,-X-9 SPRING-TENSION LEVER;-,ES,SUS304-WPB,OD3 BAND-BRAKE ASSY;-,X-9(TS),-,-,-X-9 LEVER-TBRAKE ASSY;-,POM+SUS,-,-,-X-9 SPRING-BRAKE ASSY;-,POM+SUS,-,-,-X-9 SPRING-BRAKE ASSY;-,POM+SUS,-,-,-X-9 SPRING-BRAKE ASSY;-,POM+SUS,-,-,-X-9 SPRING-BRAKE ASSY;-,POM+SUS,-,-,-X-9 SPRING-BRAKE;-,TENSION,SWP-A,0.25,3,-,X- SLIDER-FL DRIVE;-,SECC E20/20,T1.2,-,-X	
G480 G510 G520 G527 G530 G532 G542 G546 G555 G680 K110 K140 K180 K180 K211 K222 K225 K240 K248 K250 K330 K340 K350 K470 K490	BY730452 BY730452 BY730052 BY730075 BY730088 BY730075 BY730075 BY730122 BY730113 BY730070 BY730372 BY730102 BY730103 BY730372 BY730112 BY730111 BY730114 BY730114 BY730084 BY730111 BY7300111 BY730111 BY730111 BY730111 BY730114 BY730114 BY730114 BY730114 BY730114 BY730114 BY730152 BY730114 BY730154 BY730154 BY730154 BY730154 BY730154 BY730092 BY730092 BY730093	AC66-80141A AC66-40154A AC33-00003A 6006-001075 AC66-30539A AC61-60553A AC33-00002A AC60-10519A AC66-30535A AC59-90403A AC66-30557A AC66-10267A AC66-10267A AC66-10268A AC66-30548A AC66-30544A AC66-20577A AC61-21012A AC66-20581A AC66-3054A AC66-3054A AC66-3054A AC66-30550A AC66-30550A AC66-30550A AC66-30550A AC66-30550A AC66-30550A AC66-30550A AC66-80139A AC61-610564A AC66-80139A	ROLLER-TAKE UP ASSY;-,VW-32,0D7,-,X-9 HEAD-ACE-ASSY;SHINHEUNG,-,-,-,X-9 SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC( LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,X-9 SPRING-#9 GUIDE;-,ES,SUS304-WPB,OD3.1,0. HEAD-FE;-,HVFHP0038A,-,-,X-9 SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9 LEVER-FL DOOR;-,POM M90-44,-,-,BLK,X-9 UNIT-PINCH ASSY;X-9,- LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-, REEL-DISK S;-,POM M90-44,-,-,X-9 REEL-DISK T;-,POM M90-44,-,-,X-9 LEVER-IDLER ASSY;-,POM+NYLON,-,-,-,X-9 LEVER-IDLER;-,PEBAX 7033,-,-,-,X-9 HOLDER-CLUTCH ASSY;-,-,-,-,X-9 GEAR-CENTER ASSY;-,POM,M=0.5,-,HIGHT T., WASHER-SLIT;,ID2.1,OD5.0,T0.5,-,POLYS LEVER-TENSION ASSY;-,X-9(TS),-,-,-,X-9 SPRING-TENSION LEVER;-,ES,SUS304-WPB,OD3 BAND-BRAKE ASSY;-,POM+SUS,-,-,-X-9 LEVER-S.BRAKE ASSY;-,POM+SUS,-,-,-X-9 SPRING-BRAKE;-,TENSION,SWP-A,0.25,3,-,X- SLIDER-FL DRIVE;-,SECC E20/20,T1.2,-,X HOLDER-CASS ASSY;-,SECC+POM+SUS,-,-,SEIN	

Reference No. Description; Specification

Remark

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Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
K530	BY730118	AC66-30546A	LEVER-FL.ARM ASS'Y;-,SECC+POM+SUS,-,-,-,	, is many
K546	BY730086	AC61-50658A	GUIDE-CASS. DOOR;-,POM M90-44,-,-,NTR,-,	
- ELEC	CTRICAL PA	RTS -		
601	BY630116	AC92-00308A	ASSY-PCB-MAIN;V-430EF/TSB,MONO	V-430EF
	BY630127 BY630089	AC92-00555A AC92-00309A	ASSY PCB-MAIN;V-230EF/TSB,MONO	V-230EF
	BY630119	AC92-00309A AC92-00315A	ASSY-PCB-MAIN;V-220EF/TSB,MONO ASSY-PCB-MAIN;V-430UK/TSB,MONO	V-220EF V-430UK
	BY630120	AC92-00316A	ASSY-PCB-MAIN;V-230UK/TSB,MONO	V-230UK/220UK
	BY630121	AC92-00317A	ASSY-PCB-MAIN;V-210UK/TSB,MONO	V-210UK
	BY630124 BY630123	AC92-00320A AC92-00319A	ASSY-PCB-MAIN;V-430EG/TSB,MONO ASSY-PCB-MAIN;V-230EG/TSB,MONO	V-430EG V-230EG
	BY630122	AC92-00318A	ASSY-PCB-MAIN;V-210EG/TSB,MONO	V-230EG V-210EG
	BY630117	AC92-00311A	ASSY-PCB-MAIN;V-410W/TSB,MONO	V-420W/410W
701	BY630118 BY630126	AC92-00312A AC92-00430A	ASSY-PCB-MAIN;V-210W/TSB,MONO ASSY-PCB-VFD-AVLINK;V-430EF/TSB,VFD AVLI	V-220W/210W V-430EF/230EF
, , ,	BY630090	AC92-00324A	ASSY-PCB-VFD-Only;V-610EF/TSB,VFD-Only	V-430EF/230EF V-220EF
	BY630099	AC92-00325A	ASSY-PCB-VFD-AVLINK,V-730EF/TSB,VFD-AVLI	V-430UK/230UK/220UK/430EG/230EG
702	BY630113 BY630125	AC92-00509A AC92-00429A	ASSY-PCB-VFD;V-510EF,V-720UK,VFD-0nly,TS V- ASSY-PCB-F/AV-MONO;V-430EF/TSB,F/AV MONO	
702	BY630065	AC92-00033A	ASSY-OPT PCB-MAIN; CBC FRONT, TSB PAL COBR	V-430UK/230UK/220UK/430EG/230EG
	BY630079	AC92-00101A	ASSY-PCB-SUB;V-429F/TSB,CBC3	V-420W/410W/220W/210W
<intero< td=""><td>GRATED CIRCUIT</td><td>TS&gt;</td><td></td><td></td></intero<>	GRATED CIRCUIT	TS>		
IC1SF1	BY631087	1203-001802	IC-PWM CONTROLLER;STR-G6551,TO-220F,5P,-	
IC1SS1	BY530004	0604-001028	PHOTO-COUPLER;TR,50-600%,250mW,DIP-4,ST	<b>A</b>
IC1SS2 IC301	BY631008 BY631049	AC14-12006D 1204-001649	IC;KA431Z,TO-92,TAPING IC-VIDEO PROCESS;LA71598M,QFP,100P,-,PLA	$\triangle$
IC3S01	BY631062	1204-001437	IC-CHROMA;LA7359,DIP,28P,400MIL,PLASTIC,	"EF" Models Only
IC601	BY631092	AC09-00109A	IC-MICOM;uPD784927GF-155-3BA,784927GF-1	· ·
IC602 IC604	BY631022 70795269	1003-001162 AC14-12006C	IC-MOTOR DRIVER;KA3082,SIP,10PIN,25MIL,D IC;KA7533,DIP,-	
IC605	BY631082	1103-001150	IC-EEPROM;24C081,8KBIT,DIP,8P,300MIL,10M	
IC608	BY631059	1203-000515	IC-VOL. DETECTOR;7042,TO-92,3P,177MIL,PL	
IC6P01 IC6P01	BY631068 BY631066	AC09-12014Z AC09-10459G	IC-MCU;LC74776M,30P,MFP,OSD/VPS/PDC I IC-MCU;LC74789YJM-9771,24P,MFP,OSD IC	V-220EF/210UK Only
IC6P01	BY631100	AC09-00115A	IC-OSD;LC74759JM-9792,LC74759JM-9792,	"W" Models Only
IC701	BY631094	AC09-00092A	IC MCU;uPD780232GC-014-8BT,uPD780232G	
IC801	BY631064	1205-001484	IC-SWITCH;LA7147M,SOP,36PIN,375MIL,PLAST	V-220W/210W/210UK Not used
	ISTORS>	0504 000040	TD 01.444 0.0044 0.004	
Q1P101 Q1P102	70693265 70693265	0501-000616 0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Q1P104	70693410	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,	
Q1P105	70795137	0504-000116	TR-DIGITAL;KSR1001,NPN,300MW,4.7K/4.7K,T	
Q1P106 Q1P107	70795142 70795818	0501-000442 0501-000290	TR-SMALL SIGNAL;KTC3203-Y,NPN,400MW,T0-9 TR-SMALL SIGNAL;KSA643-Y,PNP,500mW,T0-92	
Q1P110	70795137	0504-000116	TR-DIGITAL;KSR1001,NPN,300MW,4.7K/4.7K,T	
Q1P111	70693084	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	
Q1P112 Q1P114	70795818 70693265	0501-000290 0501-000616	TR-SMALL SIGNAL;KSA643-Y,PNP,500mW,TO-92 TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Q1P115	70693084	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	
Q1P116	70795136	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q1P117 Q302	70795142 70795134	0501-000442 0501-000303	TR-SMALL SIGNAL;KTC3203-Y,NPN,400MW,T0-9 TR-SMALL SIGNAL;KSA733,PNP,250mW,T0-92,T	
Q303	70795136	0501-000303	TR-SMALL SIGNAL; KSC945, NPN, 250mW, TO-92, T	
Q304	70795136	0501-000398	TR-SMALL SIGNAL; KSC945, NPN, 250mW, TO-92, T	
Q307 Q308	BY530014 70795136	0504-000119 0501-000398	TR-DIGITAL;KSR1004,NPN,300MW,47K V-22 TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	0W/210W/230UK/220UK/210UK/230EG/210EG Only
Q309	70795136	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,T0-92,T	
Q3A01	70795134	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q3A03 Q3A04	70795142 70795142	0501-000442 0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400MW,T0-9 TR-SMALL SIGNAL;KTC3203-Y,NPN,400MW,T0-9	
Q3A05	70795142	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400MW,T0-9	
Q3A06	70795134	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q3S01 Q3S02	70795134 70795136	0501-000303 0501-000398	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	"EF" Models Only "EF" Models Only
Q3S03	70693084	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	"EF" Models Only
Q3S04	70795136	0501-000398	TR-SMALL SIGNAL; KSC945, NPN, 250mW, TO-92, T	"EF" Models Only
Q3S05 Q602	70795136 70795136	0501-000398 0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	"EF" Models Only
Q6B01	70795136	0501-000398	TR-SMALL SIGNAL; KSC945, NPN, 250mW, TO-92, T	V-430UK/230UK/220UK/430EG/230EG Only
Q6B03	70795136	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	V-430UK/230UK/220UK/430EG/230EG Only
Q6B04 Q6P01	70795136 70795134	0501-000398 0501-000303	TR-SMALL SIGNAL; KSC945, NPN, 250mW, TO-92, TTR-SMALL SIGNAL; KSA733, PNP, 250mW, TO-92, T	V-430UK/230UK/220UK/430EG/230EG Only
Q6P02	70795134	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q6P03	70795134	0501-000303	TR-SMALL SIGNAL; KSA733, PNP, 250mW, TO-92, T	
Ω701 Ω802	70693084 BY530014	0504-000142 0504-000119	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T TR-DIGITAL;KSR1004,NPN,300MW,47K/47K,TO-	V-210UK/220W/210W Only
2002	51000017	300 1 000113	THE STOTIAL, NOTITED T, NITN, SUDIVIVV, 47 N, 47 N, 10	V-ZTOOK/ZZOVV/ZTOVV OHIY

Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
Q804 S601 S602	70693084 BY530003 BY530003	0504-000142 0603-001011 0603-001011	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T PHOTO-TR;NPN,35V,6V,50mA,75mW,BK PHOTO-TR;NPN,35V,6V,50mA,75mW,BK	V-210UK/220W/210W Only
<diodes< td=""><td><b>S</b>&gt;</td><td></td><td></td><td></td></diodes<>	<b>S</b> >			
D1P101	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1P103 D1P105	70796385 70796385	0402-000127 0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D1P108	70796385	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D1P109	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1P110	70795150	0401-000101 0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1P111 D1P113	70795150 70796385	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35, DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D1P114	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	V-220W/210W/210UK Not used
D1P115	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1P117 D1P119	70795150 70796385	0401-000101 0402-000127	DIODE-SWITCHING;1N4148,100V,200mA,DO-35, DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D1P120	70796385	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D1P125	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1SD11 D1SD31	BY430011 BY430011	0402-001195 0402-001195	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	
D1SD32	BY430011	0402-001195	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	
D1SF05	BY430012	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SF12 D1SS01	BY430011 BY430012	0402-001195 0402-001196	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SS02	BY430012	0402-001196	DIODE-RECTIFIER; 1T5,600V,1A,TS-1,TP	
D1SS03	BY430012	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SS04 D1SS11	BY430012 BY430008	0402-001196 0402-000276	DIODE-RECTIFIER: 1T5,600V,1A,TS-1,TP	
D1SS31	BY430011	0402-000276	DIODE-RECTIFIER;UF4007,1KV,1A,DO-41,TP DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	
D1SS32	BY430010	0402-001194	DIODE-RECTIFIER;UG2D,200V,2A,DO-204AC,TP	
D1SS33 D1SS44	BY430065 BY430011	0404-001069 0402-001195	DIODE-SCHOTTKY;B10A45VI,45V,10A,TO-220IS	
D13344	70795150	0401-000101	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D3S02	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	"EF" Models Only
D401	70796385	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D603 D604	70795150 70795150	0401-000101 0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35, DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D605	70796385	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D611	70796385	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D620 D701	70796385 70795150	0402-000127 0401-000101	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D701	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D702	BY430014	0403-001141	DIODE-ZENER;MTZJ24D,24V,23.63-24.85V,500	
D703 D704	70795150 70795150	0401-000101 0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35, DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D705	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D706	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D706 D707	BY430004 70795150	0403-000509 0401-000101	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500 DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D707	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D709	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D805 LD601	70795150 BY430016	0401-000101 0601-000517	DIODE-SWITCHING;1N4148,100V,200mA,DO-35, LED-IR;RECTANGULA,4x6.0mm,75mW,6V,950	
LD703	BY430066	0601-000317	LED;ROUND,RED,3mm,635nm	
W167	70795150	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
W532 ZD1P01	70795150 BY430015	0401-000101 0403-001211	DIODE-SWITCHING;1N4148,100V,200mA,DO-35, DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
ZD1101 ZD1P02	BY430005	0403-001211	DIODE-ZENER;MTZJ5.1B,5.1V,4.94-5.2V,500m	
ZD1P03	BY430013	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
ZD1P06 ZD401	BY430015 70795272	0403-001211 0403-000390	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D DIODE-ZENER;UZP33B,33V,31.4-34.6V,1W,DO-	V-220W/210W/210UK Not used
		0 100 00000	5105E EENEN, 021 005,000,011 0 1100,1100,000	
<induc BD1SD1</induc 	<b>TORS&gt;</b> 70795644	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	
BD1SF1	70795644	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-	
BD1SF3	70795644	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-	
BD1SR1 BD1SS2	BY330003 70795644	3301-000297 AC27-92001M	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400, INDUCTOR;70UH-M RT BFS3565R2F,-,-,-	
BD1SS3	70795644	AC27-92001M AC27-92001M	INDUCTOR,700H-M RT BFS3565R2F,-,-,-	
FL3A01	BY330004	AC27-80100A	COIL-OSC;126QN-K5272YHC=K,-,AM	
L1SS02 L1SS31	BY634272 70796213	AC29-00002A AC27-12001N	FILTER LINE NOISE;-,30mH,-,-,BLF-2116 COIL-CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-	$\Delta$
L1SS32	70796213	AC27-12001N	COIL-CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-	<del></del>
L301	70795841	2701-000206	INDUCTOR-AXIAL;56uH,5%,2.4x3.4mm	
L302 L304	70796003 70796003	2702-000106 2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L305	70796003	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L306	70796361	2701-000119	INDUCTOR-AXIAL;120uH,5%,2.4x3.4mm	

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Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
L310	70796003	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L3A01	70795171	2702-000120	INDUCTOR-RADIAL;15mH,5%,6.2x7.4mm	
L3A02	BY330009	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L3A03	70796003	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L3S01	70796003	2702-000106	INDUCTOR-RADIAL, 100uH, 10%, 6.2x7.4mm	"EF" Models Only
L3S02	70795863	2702-000179	INDUCTOR-RADIAL;6.8uH,5%,6x6.4mm	"EF" Models Only
L3S03	BY330052	2701-000165	INDUCTOR-AXIAL;27uH,5%,2.4x3.4mm	"EF" Models Only
L3S04	70795843	2701-000195	INDUCTOR-AXIAL;47uH,5%,2.4x3.4mm	"EF" Models Only
L3S05	70795162	2701-000160	INDUCTOR-AXIAL;22uH,5%,2.4x3.4mm	"EF" Models Only
L401	BY330009	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L601	BY330009	2701-000002	INDUCTOR-AXIAL:100uH,10%,4.2x9.8mm	
L603	BY330009	2701-000002 2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L604	BY330009	2701-000002	INDUCTOR-AXIAL, 1000H, 10%, 4.2x9.8mm	
L605 L6B01	BY330009 BY330009	2701-000002	INDUCTOR-AXIAL; 100uH, 10%, 4.2x9.8mm	V-430UK/230YK/220UK/430EG/230EG Only
L6P03	70795162	2701-000160	INDUCTOR-AXIAL;22uH,5%,2.4x3.4mm	,
L6P04	BY330054	2701-000100	INDUCTOR-AXIAL,5.6uH,5%,2.4x3.4mm	
L6P05	BY330052	2701-000165	INDUCTOR-AXIAL;27uH,5%,2.4x3.4mm	
L701	BY330053	2701-000181		V-430EF/230EF/420W/410W/220W/210W Only
L702	BY330009	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L801	BY330009	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	V-220W/210W/210UK Not used
L802	BY330009	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	V-220W/210W/210UK Not used
L803	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L804	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L805	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	V-220W/210W/430UK/230UK/220UK/210UK Not used
L806	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	V-220W/210W/430UK/230UK/220UK/210UK Not used
L807	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L808	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L809	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L810	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	V-220W/210W/210UK Not used
L811	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	V-220W/210W/210UK Not used
L812	BY330053	2701-000181	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-	V 220VV/210VV/2100K Not about
L813	70795644 70795644	AC27-92001M AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-	
L814	70793044	AGZ7-320011VI	INDUCTOR, 70011 WITH BI 00000N21, , , ,	
<capac< td=""><td>ITORS&gt;</td><td></td><td></td><td></td></capac<>	ITORS>			
C1P101	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5mm	
C1P102	BY130049	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C1P103	BY130042	2401-000598	C-AL,1uF,20%,50V,GP,TP,4x7,5	
C1P104	BY130136	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C1P105	BY130282	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C1P106	BY130282	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C1P108	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5mm	
C1P110	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C1P114	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C1P115	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C1P116	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	2
C1SD03	BY130219	2201-000812	C-CERAMIC,DISC;2.2nF,20%,400V,Y5U,BK,1	
C1SD04	BY130219	2201-000812	C-CERAMIC, DISC; 2.2nF, 20%, 400V, Y5U, BK, 1	۷.
C1SD11	BY130283	2401-003302	C-AL;47uF,20%,400V,GP,TP,18X31.5,7. C-FILM,MPEF;10nF,10%,630V,TP,12x9x12.5,	<u>ج</u>
C1SD12	BY130226	2305-001029	C-CERAMIC,DISC;0.22nF,5%,50V,SL,TP,6.3x	3
C1SD13	70795070	2201-000376	C-AL;33uF,20%,50V,WT,TP,6.3x11,5	
C1SF12	BY130296 BY130272	2401-001200 2305-001021	C-FILM,MPEF;100nF,20%,275V,TP,17.5x7x13	3
C1SS01	BY130272	2305-001021	C-FILM,MPEF;100nF,20%,275V,TP,17.5x7x13	
C1SS02 C1SS12	BY130272	2201-000129	C-CERAMIC,DISC;0.1nF,10%,1kV,Y5P,TP,7x4	
C1SS312	70795431	2401-000385	C-AL;10uF,20%,100V,GP,TP,6.3x11,5	
C1SS32	BY130281	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	
C1SS33	BY130251	2401-003477	C-AL;330UF,20%,25V,LZ,TP,10X12.5MM,	
C1SS34	BY130338	2401-003478	C-AL;100UF,20%,25V,LZ,TP,8X11.5MM,5	
C1SS35	BY130339	2401-003480	C-AL;1000UF,20%,10V,LZ,TP,10X16MM,5	
C1SS36	BY130015	2401-001479	C-AL;470uF,20%,10V,GP,-,-,TP	
C1SS37	BY130281	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	
C1SS38	BY130015	2401-001479	C-AL;470uF,20%,10V,GP,-,-,TP	
C1SS39	70796098	2301-000129	C-FILM, PEF, 100nF, 5%, 50V, TP, 10X9X4.3X5, 5	
C1SS40	70796389	2301-000381	C-FILM, PEF; 10nF, 5%, 50V, TP, 6.5x5.5x3mm, 5	m
C301	70795769	2401-001919	C-AL;2.2UF,20%,50V,-,TP,4X7MM,5	
C302	BY130024	2301-000283	C-FILM,PEF;47nF,5%,100V,TP,7.3X7X3.2X5,5	,
C303	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5 C-CERAMIC,MLC-AXIAL;.027NF,5%,50V,SL,	ТР
C304	70795080	2202-000216	C-CERAMIC,MLC-AXIAL,.027NF,5%,50V,5E,	
C305 C306	70697011 BY130263	2202-000164 2202-000231	C-CERAMIC, MLC-AXIAL; 10101, 10 %, 30 V, 15	
C306	70795076	2202-000251	C-CERAMIC,MLC-AXIAL; 015NF,5%,50V,SL,	
C307	70795075	2202-000702	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S	S,TP,
C309	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C303	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C311	70699092	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
C312	BY130069	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5	
C313	BY130262	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,T	<sup>-</sup> P,1

Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
C314	BY130278	2401-001775	C-AL;470nF,20%,50V,GP,TP,4x7,5	an distribution in distribution (1986) in the second of th
C315	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C316	BY130167	2202-002055	C-CERAMIC,MLC-AXIAL;47nF,+80-20%,50V,Y5V	
C318	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C320	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C321	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C322 C323	BY130042 70795075	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C324	70795075	2202-000797 2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C325	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP, C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C326	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C327	BY130282	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C328	70795075	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,Y5S,TP,	
C329	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C330 C331	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C332	BY130282 BY130027	2401-003107 2202-002037	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C333	BY130042	2401-000598	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V C-AL;1uF,20%,50V,GP,TP,4x7,5	
C334	70693249	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
C335	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C336	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C337	70693249	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
C338 C339	70795075 BY130167	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C340	70693249	2202-002055 2202-000807	C-CERAMIC,MLC-AXIAL;47nF,+80-20%,50V,Y5V	
C341	BY130282	2401-003107	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V C-AL;47uF,20%,16V,GP,TP,5x7.5	
C342	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C343	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C345	BY130260	2201-002031	C-CERAMIC,DISC;0.005nF,0.5pF,50V,NP0,TP,	
C346	BY130282	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C347	BY130173	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
C348 C349	BY130173 BY130265	2202-000286 2202-000849	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
C350	70795075	2202-000649	C-CERAMIC,MLC-AXIAL;18pF,5%,50V,CH,TP,3. C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C360	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	V-430EF/230EF/420W/410W/220W/210W Only
C380	70795616	2202-000243	C-CERAMIC,MLC-AXIAL;33pF,5%,50V,SL,TP,3.	V 430E1/230E1/420VV/410VV/220VV/210VV OHIV
C381	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C390	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C399 C3A01	BY130027 70795626	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C3A01	BY130027	2401-003122 2202-002037	C-AL;4.7uF,20%,50V,LL,TP,4X7,1.5 C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C3A04	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL,100nF,80-20%,50V,Y5V	
C3A07	70796389	2301-000381	C-FILM,PEF;10nF,5%,50V,TP,6.5x5.5x3mm,5m	
C3A08	BY130041	2301-001014	C-FILM,PEF;6.8nF,5%,50V,TP,7x3x6,5mm	
C3A09	BY130041	2301-001014	C-FILM,PEF;6.8nF,5%,50V,TP,7x3x6,5mm	
C3A10	BY130085	2301-000314	C-FILM,PEF;8.2nF,5%,50V,TP,6.5x3.0x5.5mm	
C3A11 C3A12	BY130145 BY130282	2301-000253 2401-003107	C-FILM,PEF;39NF,5%,100V,TP,7.5X4.5X12.5M	
C3A13	BY130269	2301-000161	C-AL;47uF,20%,16V,GP,TP,5x7,5 C-FILM,PEF;12nF,5%,50V,TP,6.5X5.5X3.0X5,	
C3A14	BY130041	2301-001014	C-FILM,PEF;6.8nF,5%,50V,TP,7x3x6.5mm	
C3A15	70796389	2301-000381	C-FILM,PEF;10nF,5%,50V,TP,6.5x5.5x3mm,5m	
C3A16	BY130136	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C3A17	70699092	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
C3A18 C3A21	70795094 BY130267	2301-000402 2301-000008	C-FILM,PEF;1nF,5%,50V,TP,5x7x2.8mm,5mm	
C3A21	70699002	2202-000780	C-FILM,PEF;2.2nF,5%,50V,TP,5.5X7X3,5mm C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	V 220\AV(040\AV(240\U), 0 1
C3A23	BY130250	2401-002068	C-AL;33uF,20%,16V,GP,TP,5x11,5	V-220W/210W/210UK Only
C3A24	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C3A25	70699092	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
C3A29	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C3A30 C3A31	BY130049	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C3S01	BY130027 70697011	2202-002037 2202-000164	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	V-430EF/230EF/420W/410W/220W/410W Only
C3S02	70795769	2401-001919	C-CERAMIC,MLC-AXIAL;.18NF,10%,50V,Y5P,TP C-AL;2.2UF,20%,50V,-,TP,4X7MM,5	"EF" Models Only
C3S03	70796389	2301-000381	C-FILM,PEF;10nF,5%,50V,TP,6.5x5.5x3mm,5m	"EF" Models Only "EF" Models Only
C3S04	70796389	2301-000381	C-FILM,PEF;10nF,5%,50V,TP,6.5x5.5x3mm,5m	"EF" Models Only
C3S05	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL,100nF,80-20%,50V,Y5V	"EF" Models Only
C3S06	70795363	2202-000791	C-CERAMIC,MLC-AXIAL;150pF,10%,50V,Y5P,TP	"EF" Models Only
C3S07 C3S08	BY130049	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	"EF" Models Only
C3S08	BY130027 70795075	2202-002037 2202-000797	C-CERAMIC, MLC-AXIAL; 100nF,80-20%,50V,Y5V	"EF" Models Only
C3S11	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP, C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	"EF" Models Only
C3S13	BY130278	2401-001775	C-AL;470nF,20%,50V,GP,TP,4x7,5	"EF" Models Only
C3S14	BY130262	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	"EF" Models Only "EF" Models Only
C3S15	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	"EF" Models Only
C3S17	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	"EF" Models Only
C3S19 C3S20	70795070 BY130082	2201-000376 2301-000224	C-CERAMIC,DISC;0.22nF,5%,50V,SL,TP,6.3x3	"EF" Models Only
C3S21	BY130042	2401-000598	C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm,5 C-AL;1uF,20%,50V,GP,TP,4x7,5	"EF" Models Only "EF" Models Only
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Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
C3S22	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	"EF" Models Only
C3S23	70693492	2201-000941	C-CERAMIC,DISC;51pF,5%,50V,SL,TP,5x3,5	"EF" Models Only
C3S25	70693215	2202-000787	C-CERAMIC,MLC-AXIAL,10PF,5%,50V,Y5P,TP,3	"EF" Models Only
C3S26	70795729	2201-000681	C-CERAMIC,DISC;0.082nF,5%,50V,SL,TP,5x3,	"EF" Models Only
C3S27	70693237	2202-000825	C-CERAMIC,MLC-AXIAL;680pF,10%,50V,Y5P,TP	"EF" Models Only
C402	70693249	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
C403	BY130049	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C404	70795123	2401-001085	C-AL;330NF,20%,50V,GP,-,5X9,2MM	
C405	BY130281	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	
C407	BY130049	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C410	BY130027	2202-002037 2401-002075	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C529 C601	BY130047 BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C602	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C603	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5mm	
C604	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C605	70795075	2202-000797	C-CERAMIC, MLC-AXIAL, 10NF, 30%, 16V, Y5S, TP,	
C607	BY130278	2401-001775	C-AL;470nF,20%,50V,GP,TP,4x7,5	
C608	BY130131	2401-002259	C-AL;0.1F,+80-20%,5.5V,-,TP,12.5x11	"EF" Models Only
C608	70796210	2401-000118	C-AL;1000uF,20%,10V,GP,TP,10x12.5,5	
C610	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C611	70693281	2301-000392	C-FILM, PEF; 15nF, 5%, 50V, TP, 6.5x8.5x3.2mm,	
C612	70796210	2401-000118	C-AL;1000uF,20%,10V,GP,TP,10x12.5,5	
C614	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C618	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5mm	
C619	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP, C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C620	70795075	2202-000797 2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5mm	
C621 C622	BY130048 70693497	2301-002095	C-FILM.PEF:68nF.5%,50V,TP.9x12x4.5mm,5mm	
C622	70693249	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
C624	70795614	2202-000205	C-CERAMIC,MLC-AXIAL;22pF,5%,50V,SL,TP,1	
C625	70795614	2202-000205	C-CERAMIC.MLC-AXIAL;22pF,5%,50V,SL,TP,1.	
C626	70795614	2202-000205	C-CERAMIC,MLC-AXIAL,22pF,5%,50V,SL,TP,1	
C627	70795614	2202-000205	C-CERAMIC,MLC-AXIAL;22pF,5%,50V,SL,TP,1.	
C628	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C633	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C634	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C635	BY130072	2202-000183	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R,TP	
C636	BY130072	2202-000183	C-CERAMIC, MLC-AXIAL; 2.2NF, 20%, 16V, Y5R, TP	
C637	BY130172	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP C-AL;22uF,20%,16V,GP,-,6.3x7,5	
C638	70699092	2401-000918 2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
C639 C640	BY130069 BY130027	2202-000121	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C641	BY130280	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C642	BY130280	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5mm	
C643	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5mm	
C645	BY130049	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C646	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C691	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C692	70693497	2301-000471	C-FILM,PEF;68nF,5%,50V,TP,9x12x4.5mm,5mm	V. 4001 IV. (0001 IV. (0001 IV. (400EC /200EC O-1).
C6B02	BY130262	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	V-430UK/230UK/220UK/430EG/230EG Only
C6B03	70795621	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	V-430UK/230UK/220UK/430EG/230EG Only V-430UK/230UK/220UK/430EG/230EG Only
C6B04	70699002	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5 C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	V-4300K/2300K/2200K/430Ed/230Ed Offiy
C6B07	BY130262	2202-000173	C-CERAMIC,MLC-AXIAL, THP, T0%, 50V, Y5P, TF, T C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	
C6B08	BY130262	2202-000173	C-CERAMIC,MLC-AXIAL,111,10 %,30 %,131,11,11 C-CERAMIC,MLC-AXIAL;10NF,30 %,16V,Y5S,TP,	
C6P01	70795075 BY130049	2202-000797 2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C6P02 C6P03	BY130049 BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C6P04	70795080	2202-000216	C-CERAMIC,MLC-AXIAL; 027NF,5%,50V,SL,TP,	
C6P05	70795080	2202-000216	C-CERAMIC,MLC-AXIAL;.027NF,5%,50V,SL,TP,	
C6P06	BY130271	2301-000458	C-FILM,PEF;56nF,5%,50V,TP,8x12x4.5mm,5mm	V-220EF/420W/410W/220W/210W/210UK Not used
C6P07	BY130136	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	V-220EF/420W/410W/220W/210W/210UK Not used
C6P08	BY130173	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	N 000 F (400) A (44 0) A (400) A (401) A (41 0) B (41 0)
C6P09	BY130170	2202-000145	C-CERAMIC,MLC-AXIAL;.12NF,10%,50V,Y5P,TP	V-220EF/420W/410W/220W/210W/210UK Only
C6P10	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C6P11	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C6P12	BY130049	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5 C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C6P13	BY130027	2202-002037 2202-000279	C-CERAMIC,MLC-AXIAL, 100III,00-20 %,50V,13V	
C6P14 C6P20	70693047 70693047	2202-000279	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	
C6P20	70795082	2202-000275	C-CERAMIC,MLC-AXIAL;68pF,5%,50V,SL,TP,3.	V-220EF/420W/410W/220W/210W/210UK Only
C701	BY130280	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C702	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C703	BY130262	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	
C706	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C707	70795626	2401-003122	C-AL;4.7uF,20%,50V,LL,TP,4X7,1.5	
C708	70795075	2202-000797	C-CERAMIC, MLC-AXIAL; 10NF, 30%, 16V, Y5S, TP,	
C711	70795362	2202-000789 2202-000789	C-CERAMIC,MLC-AXIAL;12PF,5%,50V,SL,TP,3. C-CERAMIC,MLC-AXIAL;12PF,5%,50V,SL,TP,3.	
C712	70795362	2202-000/03	O SELIMIVITO, IVIEO MAINE, LEI 1,0 /0,00 V, OE, II JO.	

Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
C801	BY130047	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	V-220W/210W/210UK Not used
C803	BY130047	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	V-220W/210W/210UK Not used
C805	BY130047	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	V-220W/210W/210UK Not used
C807	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	V-220W/210W/210UK Not used
C808	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	V-220W/210W/210UK Not used
C809	70795769	2401-001919	C-AL;2.2UF,20%,50V,-,TP,4X7MM,5	V-220W/210W/210UK Not used
C810	BY130047	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	V-220W/210W/210UK Not used
C814	BY130047	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	V-220W/210W/210UK Not used
C815	BY130047	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	V-220W/210W/210UK Not used
C816	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C817	BY130049	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11.5	V-220W/210W/210UK Not used V-220W/210W/210UK Not used
C818	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C819	BY130280	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	V-220W/210W/210UK Not used
C820	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	V-220W/210W/210UK Not used
C821	BY130015	2401-001479	C-AL;470uF,20%,10V,GP,-,-,TP	V-220W/210W/210UK Not used
C822	BY130069	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
C823	BY130069	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	V 220\A//210\A//210\H/ Al-+
C826	BY130069	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	V-220W/210W/210UK Not used
C827	BY130069	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
C828	70693047	2202-000121		V-220W/210W/210UK Not used
C829	70693047	2202-000273	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	
C830	BY130136	2401-002299	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	
C831	BY130263		C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C834	BY130263	2202-000231	C-CERAMIC, MLC-AXIAL;330pF,10%,50V,Y5P,TP	V 00014/04014/4001
C834 C837	BY130263 BY130262	2202-000231	C-CERAMIC, MLC-AXIAL;330pF,10%,50V,Y5P,TP	v-zzuW/z10W/430UK/230UK/220UK/210UK Not used
C837 C840	BY130262 BY130015	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	V 00014/04014/40014
C840 C841	BY130015 BY130069	2401-001479	C-AL;470uF,20%,10V,GP,-,-,TP	V-220W/210W/430UK/230UK/220UK/210UK Not used
G041	61130069	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	V-220W/210W/210UK Only
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R1P103	70795019	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MI	
R1P105	70795007	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2N	
R1P106	70795036	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1P107	70795020	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1P108	70795020	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1P109	70796067	2001-000362	R-CARBON;1500HM,5%,1/8W,AA,TP,1.8X3.2MI	M
R1P110	70796067	2001-000362	R-CARBON,1500HM,5%,1/8W,AA,TP,1.8X3.2MI	M
R1P111	70795003	2001-000302	R-CARBON;100HM,5%,1/8W,AA,TP,1.8X3.2MM	
R1P112	70795025	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MI	
R1P115	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1P116	70795029	2001-000633	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MI	M
R1P117	70796067	2001-000362	R-CARBON;1500HM,5%,1/8W,AA,TP,1.8X3.2MI	М
R1P119	70795020	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1P121	70795006	2001-000290	R-CARBON; 10KOHM, 5%, 1/8W, AA, TP, 1.8X3.2MI	M
R1P122	70795020	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP.1.8X3,2M	
R1P123	70795007	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3,2N	1
R1P125	70795020	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1P127	70795040	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1P128	70795013	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1P129	BY230106	2001-000938	R-CARBON;680HM,5%,1/8W,AA,TP,1.8X3.2MM	V-220W/210W/210UK Not used
R1P130	BY230019	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	· ZZOVV/ZTOVV/ZTOOK NOT dased
R1SD12	70796067	2001-000362	R-CARBON;1500HM,5%,1/8W,AA,TP,1.8X3.2MM	.1
R1SD13	70795318	2001-000319	R-CARBON;120KOHM,5%,1/8W,AA,TP,1.8X3.2N	
R1SD14	70795318	2001-000319	R-CARBON;120K0HM,5%,1/8W,AA,TP,1.8X3.2N	
R1SD15	70795318	2001-000319	R-CARBON;120KOHM,5%,1/8W,AA,TP,1.8X3.2N	
R1SD16	70796274	2003-000273	R-METAL OXIDE;33Kohm,5%,2W,AA,TP,6x16mm	
R1SD31	70795039	2001-000780	R-CARBON;4700HM,5%,1/8W,AA,TP,1.8X3.2MN	
R1SD32	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	= <del>-</del> 
R1SF11	70795318	2001-000319	R-CARBON;120KOHM,5%,1/8W,AA,TP,1.8X3.2N	1
R1SF15	70795031	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1SF19	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1SF20	BY230147	2003-000105	R-METAL OXIDE;0.33ohm,5%,2W,AD,TP,6x16mm	
R1SF21	BY230036	2003-000103	R-CARBON(S);1MOHM,5%,1/2W,AA,TP,2.4X6.4	
R1SS10	BY230170	2006-000262	R-CEMENT;2.7ohm,10%,2W,CB,TP,7.5x11x20.	v i
R1SS11	70796274	2003-000232	R-METAL OXIDE;33Kohm,5%,2W,AA,TP,6x16mm	
R1SS13	BY230003	2003-000273	R-METAL OXIDE,33NOIIII,5%,2VV,AA,1P,6X16MII R-METAL OXIDE;1000HM,5%,2W,AE,TP,6X16MI	
R1SS31	70795009	2003-000146	R-CARBON;10HM,5%,1/8W,AA,TP,1.8X3.2MM	VI
R1SS32	70795005	2001-000440	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1SS33	70795640	2004-000429	R-METAL;3Kohm,1%,1/8W,AA,TP,1.8x3.2mm	
R1SS34	70795638	2004-000459	R-METAL; 2.2Kohm, 1%, 1/8W, AA, TP, 1.8x3.2m	
R301	70795020	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R302	70795005	2001-000449	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R303	70795357	2001-000423		
R304	70795058	2001-000238	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	"EF" Models Only
R305	70795357	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R306	70795012	2001-000238	R_CARRON-1.2KOUNIVI,370,1/0VV,AA,17,1.8X3.ZIVI	N 4
R308	70795005		R-CARBON;1.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	IVI
R309	BY230037	2001-000429 2001-000723	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	N.4
R311	70795005	2001-000723	R-CARBON;4.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	IVI
R312	70795005 70795013		R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
11012	10133013	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	

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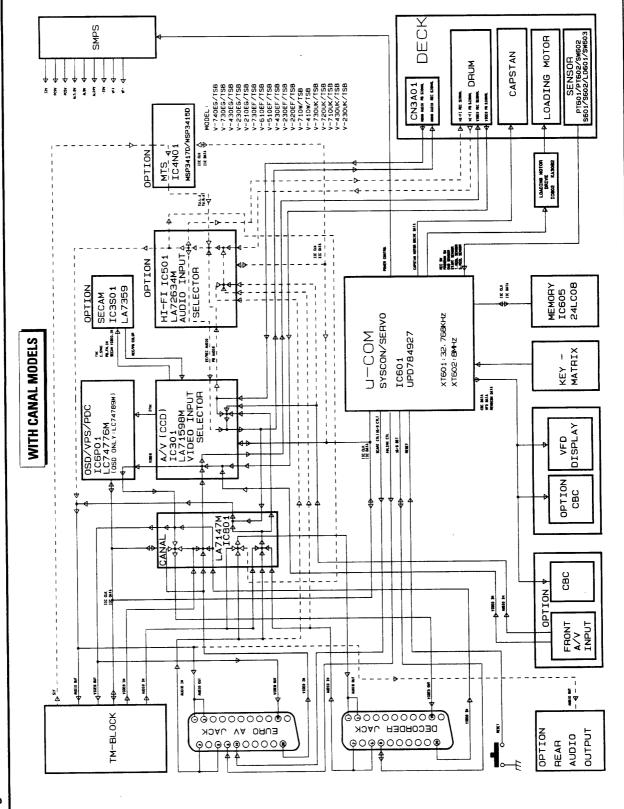
Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
R313	70795019	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MM	
R314	70795050	2001-000924	R-CARBON;6800HM,5%,1/8W,AA,TP,1.8X3.2MM	
R315	70699144	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R316	BY230019	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R317	70795030	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R318	70795030	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R320	70795006	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R321	BY230096	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R322	70795319	2001-000539	R-CARBON;24KOHM,5%,1/8W,AA,TP,1.8X3.2MM	MAT(24.0MAT(220) HZ (220) HZ (24.0 HZ (220) EC (24.0 EC .0 -1
R324	70795025	2001-000554 2001-000472		W/210W/230UK/220UK/210UK/230EG/210EG Only
R325 R326	70699144 70795043	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R327	70795043	2001-000832	R-CARBON;5100HM,5%,1/8W,AA,TP,1.8X3.2MM	
R328	70795040	2001-00032	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R329	70699144	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R329	70795040	2001-000734		W/210W/230UK/220UK/210UK/230EG/210EG Only
R330	70795040	2001-000734	R-CARBON; 4.7KOHM, 5%, 1/8W, AA, TP, 1.8X3.2M	, , , , , , , , , , , , , , , , , , , ,
R331	70795019	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MM	
R332	70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R333	70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R334	70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R335	70795044	2001-000800	R-CARBON;5.1KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R336	70795014	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R341	70795059	2001-001000	R-CARBON;82KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R342	70795046 70795054	2001-000802 2001-000969	R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2m	V/ 420EE/220EE/420\4//410\4//220\4//210\4/ Only
R344 R347	70795034	2001-000909	R-CARBON;750HM,5%,1/8W,AA,TP, R-CARBON:6200HM.5%.1/8W,AA,TP,1.8X3.2MM	V-430EF/230EF/420W/410W/220W/210W Only
R348	70795609	2001-000504	R-CARBON;3.6KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A01	70795011	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A04	70795012	2001-000232	R-CARBON;1.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A05	70795032	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A06	70795607	2001-000405	R-CARBON;1800HM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A07	70795033	2001-000645	R-CARBON;330KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A08	70795011	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A09	70795046	2001-000802	R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2m	
R3A10	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A11	70795357	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A12	70796025	2001-000458	R-CARBON;2.20HM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A13	70795039	2001-000780	R-CARBON;4700HM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A14 R3A16	70795021 70795006	2001-000522 2001-000290	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A17	70795036	2001-000230	R-CARBON;3.9KOHM,5%,1/8W,AA,TF,1.8X3.2M	
R3A18	70795036	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A19	70795607	2001-000405	R-CARBON;1800HM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A21	70795049	2001-000904	R-CARBON;6200HM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A22	BY230037	2001-000723	R-CARBON;4.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A23	70795058	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A24	70795021	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A25	BY230019	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A26	70795011	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	V 200\AV(010\AV(010\H\ 0 \ )
R3A27	70795447	2001-000878	R-CARBON; 6.2KOHM, 5%, 1/8W, AA, TP.1.8X3.2M	V-220W/210W/210UK Only
R3A28	70795447	2001-000878	R-CARBON;6.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	V-220W/210W/430UK/230UK/220UK/210UK Only
R3A28	70795036	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	V-430EF/230EF/420W/410W/220W/210W Only
R3A29 R3A30	70795036 70795354	2001-000613 2001-000773	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M R-CARBON;470KOHM,5%,1/8W,AA,TP,1.8X3.2M	v-+30L1/230L1/420VV/410VV/220VV/210VV UNIV
R3A31	70795038	2001-000773	R-CARBON;470KOHM,5%,1/8W,AA,TP,1.8X3.2MM	V-220W/210W/210UK Only
R3A32	70795038	2001-000766	R-CARBON;43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A33	70795038	2001-000766	R-CARBON;43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	V-430EF/230EF/420W/410W/220W/210W Only
R3A37	70795055	2001-000947	R-CARBON,7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	•
R3S01	70795319	2001-000539	R-CARBON;24KOHM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R3S02	70795058	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	"EF" Models Only
R3S03	70795663	2001-001015	R-CARBON;9.1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R3S04	70795319	2001-000539	R-CARBON;24KOHM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R3S05	70795041	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only "EF" Models Only
R3S11 R3S12	70795045 70795040	2001-000837 2001-000734	R-CARBON;51KOHM,5%,1/8W,AA,TP,1.8X3.2MM R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	"EF" Models Only
R3S13	70795029	2001-000734	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R3S14	70795051	2001-000890	R-CARBON, 6.8KOHM, 5%, 1/8W, AA, TP, 1.8X3.2M	"EF" Models Only
R3S15	70795055	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	"EF" Models Only
R3S16	70699144	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	"EF" Models Only
R3S17	70795021	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R3S20	70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R3S21	70795034	2001-000674	R-CARBON;3600HM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R3S22	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R3S23	70795319	2001-000539	R-CARBON;24KOHM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R3S24	70795015	2001-000356 2001-000258	R-CARBON;150KOHM,5%,1/8W,AA,TP,1.8X3.2M R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	"EF" Models Only "EF" Models Only
R3S25 R3S27	70795357 70795318	2001-000258	R-CARBON; 1.8KOHM, 5%, 1/8W, AA, TP, 1.8X3.2M	"EF" Models Only
R401	70795041	2001-000319	R-CARBON, 120KOHM, 5%, 1/8W, AA, TP, 1.8X3.2MM	Er Widdens Offity
11701	,0,000+1	2001 000700	5. 1. 55 (4, 17 10 (104),5 75, 17 5 74, 17 (11, 1.0/0.2141141	

Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
R402	70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R403	70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R404	70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R406	70795026	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R407	70795058	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R408	BY230019	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	"EE" Modele Only
R602	70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	"EF" Models Only
R603 R603	70795004 70795006	2001-000281 2001-000290	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	· · · · · · · · · · · · · · · · · · ·
R604	70795006	2001-000290	R-CARBON;10K0HM,5%,1/8W,AA,TP,1.8X3.2MM R-CARBON;1K0HM,5%,1/8W,AA,TP,1.8X3.2MM	
R605	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R608	70795047	2001-000423	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R609	70795047	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R613	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R641	70795039	2001-000780	R-CARBON;4700HM,5%,1/8W,AA,TP,1.8X3.2MM	
R642	70795039	2001-000780	R-CARBON;4700HM,5%,1/8W,AA,TP,1.8X3.2MM	
R644	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R650	70796369	2003-000259	R-METAL OXIDE;3.90HM,5%,2W,AE,TP,6X16MM	
R651	70795052	2001-000010	R-CARBON;68KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R652	70795024	2001-000568	R-CARBON;270HM,5%,1/8W,AA,TP,1.8X3.2MM	
R654 R655	70795046	2001-000802 2001-000786	R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2m R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R656	70795041 70795013	2001-000780	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R657	70795052	2001-000241	R-CARBON;68KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R660	70795041	2001-000786	R-CARBON:47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R661	70795032	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R666	70795006	2001-000290	R-CARBON;10K0HM,5%,1/8W,AA,TP,1.8X3.2MM	
R667	70795006	2001-000290	R-CARBON;10K0HM,5%,1/8W,AA,TP,1.8X3.2MM	
R668	70795039	2001-000780	R-CARBON;4700HM,5%,1/8W,AA,TP,1.8X3.2MM	
R669	70795039	2001-000780	R-CARBON;4700HM,5%,1/8W,AA,TP,1.8X3.2MM	
R670	70795040	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R671	70795040	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R672	70795040	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R673 R674	70795005 70795006	2001-000429 2001-000290	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MN	
R675	70795607	2001-000290	R-CARBON;1800HM,5%,1/8W,AA,TP,1.8X3.2MM	
R676	70795029	2001-000433	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R677	70795021	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R678	70795021	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R679	70795019	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MM	
R682	70795021	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R685	70795032	2001-000660	R-CARBON;33K0HM,5%,1/8W,AA,TP,1.8X3.2MM	
R687	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R690	70795047	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R691	70795019	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MM	
R692	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM R-CARBON:1KOHM.5%,1/8W,AA,TP,1.8X3.2MM	
R693 R694	70795005 70795005	2001-000429 2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R6B01	70796024	2001-000423	R-CARBON;1600HM,5%,1/8W,AA,TP,1.8X3.2MM	V-430UK/230UK/220UK/430EG/230EG Only
R6B02	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	V-430UK/230UK/220UK/430EG/230EG Only
R6B03	70795005	2001-000429	R-CARBON;1K0HM,5%,1/8W,AA,TP,1.8X3.2MM	V-430UK/230UK/220UK/430EG/230EG Only
R6B07	70795019	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MM	
R6P01	70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,	V-220EF/420W/410W/220W/210W/210UK Not used
R6P02	70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,	V-220EF/420W/410W/220W/210W/210UK Not used
R6P03	70699144	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,	V-220EF/420W/410W/220W/210W/210UK Not used
R6P04	70795006	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	V-220EF/420W/410W/220W/210W/210UK Not used
R6P05	70795006	2001-000290	R-CARBON; 10KOHM, 5%, 1/8W, AA, TP, 1.8X3.2MN	
R6P06	70795046	2001-000802	R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2m	V-220EF/420W/410W/220W/210W/210UK Not used
R6P07 R6P07	70796356 70795659	2001-000490 2001-000027	R-CARBON;2000HM,5%,1/8W,AA,TP,1.8X3.2MM R-CARBON;1000HM,5%,1/4W,AA,TP,2.4X6.4MM	
R6P08	70795028	2001-000027	R-CARBON; 1000HM; 5%, 1/4W, AA, 11, 2.4X0.4WW	V 220VV/210VV/2100K Office
R6P09	70795020	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	V-220EF/420W/410W/220W/210W/210UK Only
R6P10	70795019	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MM	
R6P11	BY230090	2001-000005	R-CARBON;390ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R706	70795029	2001-000633	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MN	1 · ·
R707	70795013	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R708	70795026	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R709	70795019	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MM	
R710	70795008	2001-000435	R-CARBON;1MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R727 R728	70795014 70795014	2001-000008 2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MN R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MN	
R728 R731	70795014	2001-00008	R-CARBON; 10KOHM, 5%, 1/8W, AA, TP, 1.6X3.2MN	
R732	70795003	2001-000230	R-CARBON;100HM,5%,1/8W,AA,TP,1.8X3.2MM	
R801	70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	V-220W/210W/210UK Not used
R802	70795004	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	V-220W/210W/210UK Not used
R803	70795057	2001-000995	R-CARBON;8200HM,5%,1/8W,AA,TP,1.8X3.2MM	
R805	70795025	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM	
R806	70795025	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM	ı
R807	70795054	2001-000969	R-CARBON;750HM,5%,1/8W,AA,TP,1.8X3.2MM	

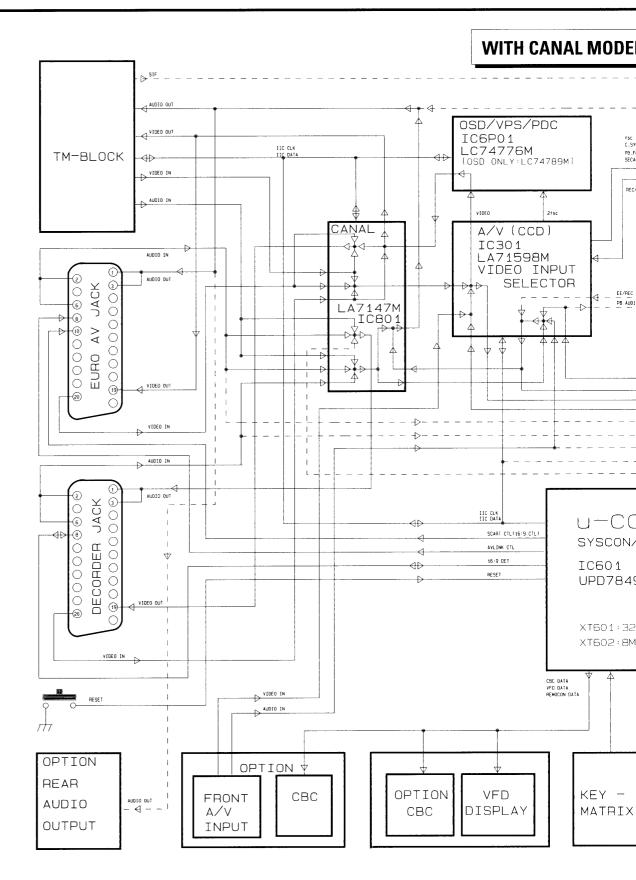
7-22 Toshiba

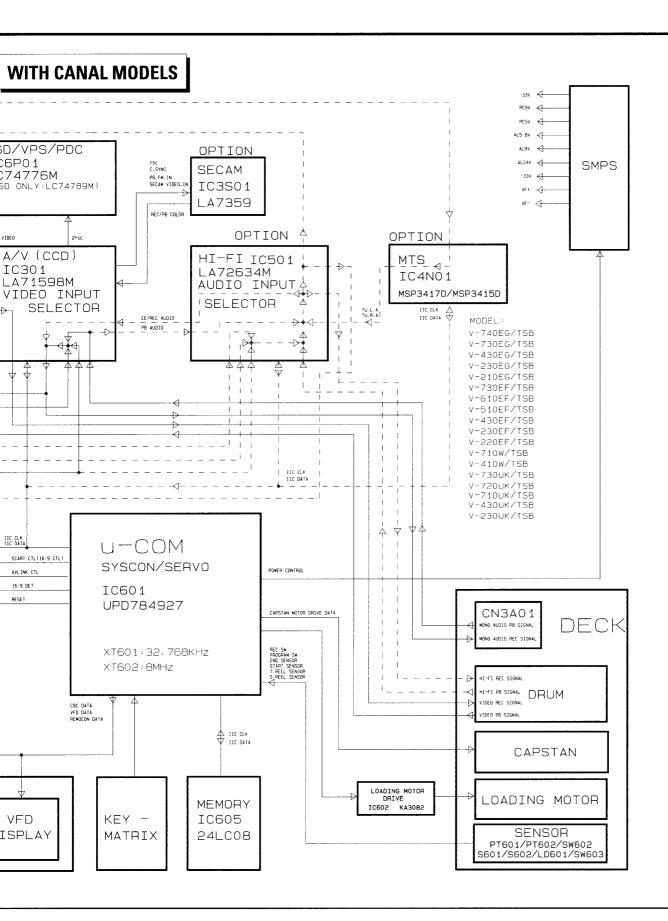
Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
R808	70795054	2001-000969	R-CARBON;750HM,5%,1/8W,AA,TP,1.8X3.2MM	
R809	70795054	2001-000969		W/210W/430UK/230UK/220UK/210UK Not used
R810	70795025	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM	V-220W/210W/210UK Not used
R811	70795025	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM	V-220W/210W/210UK Not used
R812	70795054	2001-000969	R-CARBON;750HM,5%,1/8W,AA,TP,1.8X3.2MM	V-ZZOVV/ZTOVV/ZTOOK NOT used
R813	70795025	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3,2MM	
R814	70795025	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM	
R815	70795025	2001-000554		
R816	70795025	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM	
R819	70795025	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP,1.8X3.2MM R-CARBON;2700HM,5%,1/8W,AA,TP. V-220	NAT / 24 O VA / / 42 O L DV / 20 O L DV / 20 O L DV / 24 O L DV / NA
R820	70795025	2001-000554		0W/210W/430UK/230UK/220UK/210UK Not used
R821	70795032	2001-000554	R-CARBON;2700HM,5%,1/8W,AA,TP, V-220	W/210W/430UK/230UK/220UK/210UK Not used
R822	70795021	2001-00050	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	V-220W/210W/210UK Not used
R823	70795021	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	V-220W/210W/210UK Not used
R824	70795026		R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	V-220W/210W/210UK Not used
W421	70795004	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	V-220W/210W/210UK Not used
		2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	V-430EF/230EF/420W/410W/220W/210W Only
<misce!< td=""><td>LLANEOUS&gt;</td><td></td><td></td><td></td></misce!<>	LLANEOUS>			
CN1SS1	70796223	3711-000178	CONNECTOR-HEADER;1WALL,2P,1R,3.96mm,STRA	·
CN301	70796410	3708-000395	CONNECTOR-FPC/FC/PIC;8P,1.25MM,STRAIGHT,	
CN3A01	BY634038	3708-001302	CONNECTOR-FPC/FC/PIC;7P,1.25mm,STRAIGHT,	
CN3A02	70796246	3711-002445	CONNECTOR-HEADER; BOX, 2P, 2R, 1.5MM, STRAIGH	
CN601	BY634047	AC39-20817S	LEAD CONNECTOR-ASSY;DP,SMH200-02,YBH200-	
CN602	BY634003	3708-001163	CONNECTOR-FPC/FC/PIC;5P,1.25mm,STRAIGHT,	
CN604	BY634026	3711-003749	CONNECTOR-HEADER; BOX, 8P, 2R, 2mm, STRAIGHT,	
CN701	70795274	3711-001198	CONNECTOR-HEADER; NOWALL, 10P, 1R, 2mm, ANGLE	
CN702	70795274	3711-001198	CONNECTOR-HEADER; NOWALL, 10P, 1R, 2mm, ANGLE	
CN704	BY634040	3711-004013	CONNECTOR-HEADER; 3WALL, 10P, 1R, 2mm, STRAIG	V-220EF/210UK/210EG Not used
CN705	BY634039	3710-001385	CONNECTOR-SOCKET; 10P, 1R, 2mm, ANGLE, SN	
DT701	BY634119	AC07-20051C	VF-DISPLAY;SVV-07SS27,15SEG,20.5X75.0,SV	
F1SS01	BY634268	3601-001208	FUSE-CARTRIDGE;250V,1.6A,TIME-LAG,GLASS	
JC801	BY634117	3722-001093	JACK-RCA;42P,3.81MM,SN,BLU/BLK,#20-28	2 SCART △
MODELS			, , , , , , , , , , , , , , , , , , , ,	2 00/1111 —
JC801	BY634299	3710-000402	CONNECTOR-SOCKET;6P,2R,3.2mm,STRAIGHT,SN	1 SCART MODELS
JK701	BY634122	AC37-22002S	JACK;3.2mm,DPSM-9827,2P,10mm,ARREY	7 99 117 77 77 78
PT1SS1	BY634271	AC26-00001L	TRANS-SWITCHING;-,-,-,230V,DEMCO,EE2821,	$\Delta$
PT601	BY530005	0604-001122	PHOTO-INTERRUPTER;TR,0.065%,150mW,DIP-4,	_
PT602	BY530005	0604-001122	PHOTO-INTERRUPTER;TR,0.065%,150mW,DIP-4,	
RM701	BY634036	AC59-60060A	MODULE-REMOCON;GP1U281R,SHARP,38KHZ,-,-,	
SW601	BY632004	AC34-20100A	SWITCH-MODE;-,-,X-9,-	
SW602	BY632005	AC34-20100B	SWITCH-REC;-,-,X-9,-	
SW701	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S	
SW703	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S	
SW708	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S	
SW709	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S	
SW711	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S	
SW712	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160qf+-50qf,6x6mm,S	
SW713	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160qf+-50qf,6x6mm,S	
SW714	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S	
SW715	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S	
SW716	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S	
SW717	BY632007	3404-000165	SWITCH-TACT; 12V,50mA,160qf+-50qf,6x6mm,S	
SW718	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S	
SW719	BY632007	3404-000165	SWITCH-TACT;12V,50mA,160gf+-50gf,6x6mm,S	
SW720	BY632007	3404-000165	SWITCH-TACT; 12V,50mA,160gf+-50gf,6x6mm,S	
SW721	70795181	3404-001008	SWITCH-TACT;12V,20mA,160+-50,6x7.9x3.5mm	
SW801	BY632010	3404-000135	SWITCH-TACT;12V,50mA,160+-50qf,7.4x7.1mm	
TM401	BY630052	AC40-30072F	TM-BLOCK;TCMM0601PD08A,SECAM-L/G/I/K,181	"EF" Models Only
TM401	BY630051	AC40-30072D	TM-BLOCK;TCMK0600PD08A,PAL-BG/I/DK,181C	Li Widuels Offiy
VA1SS1	BY634022	1405-001026	VARISTOR;470V,600A,9x7mm,TP	$\Delta$
XT301	BY633009	2801-001397	CRYSTAL-UNIT;4.433619MHZ,HC-49/U-S 15PPM	
XT601	BY633003	2801-003318	CRYSTAL-UNIT;32.768KHz,20ppm,28-AAP,12.5	
XT602	BY633010	2801-003139	CRYSTAL-UNIT;8MHz,50ppm,28-AAA,22pF,80oh	
XT701	BY633014	2801-003868	CRYSTAL-UNIT;5MHz,30ppm,28-AAA,12pF,100o	

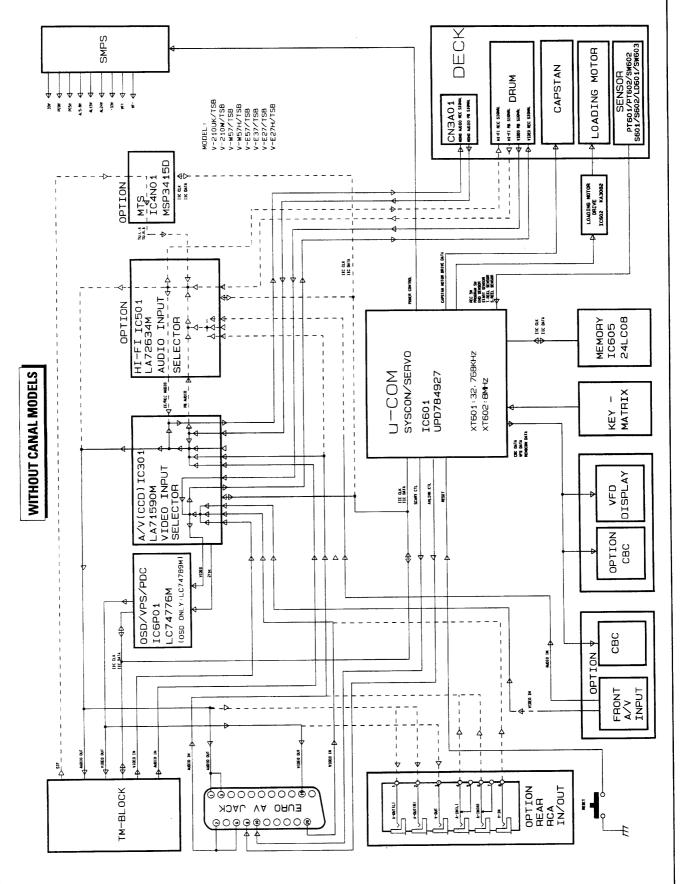


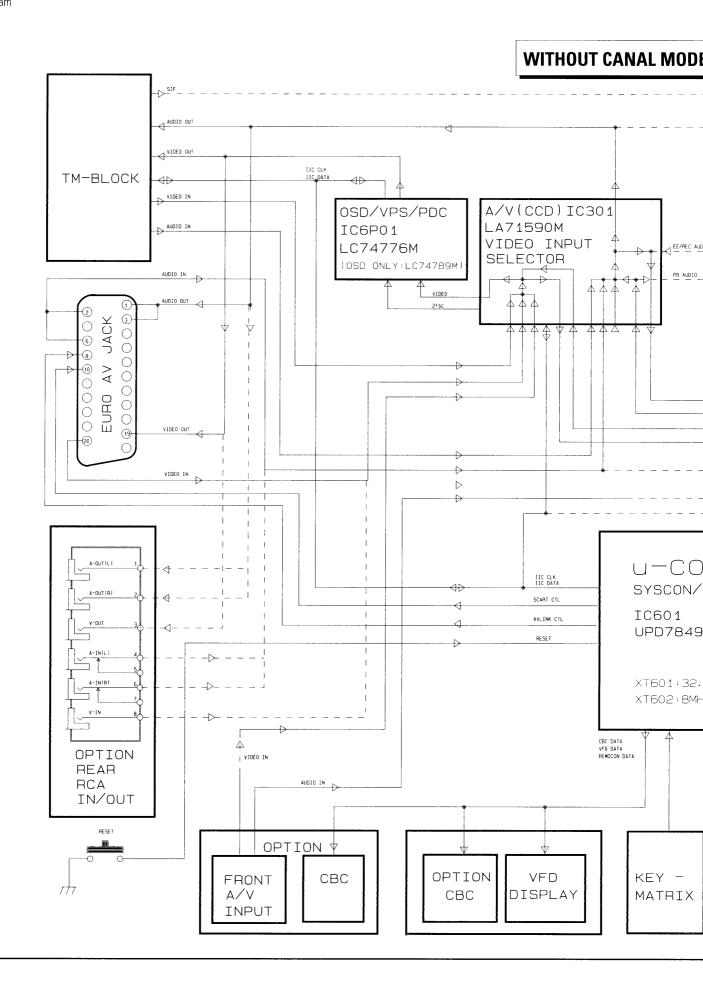


## 8. Block Diagrams









#### THOUT CANAL MODELS 33V <del>|</del> PC9V → PC5V 쉭 AL5.8V AL 15V AL24V 4 SMPS -33V 😝 OPTION OPTION VF+ 🕁 VF-HI-FI IC501 ))IC301 MTS I IC4N01 LA72634M MC AUDIO INPUT INPUT EE/REC AU010 --MSP3415D )R SELECTOR IIC CLK PB AUDIO - E **→** D 4 MODEL: **₹** V-210UK/TSB V=210W/TSBV-W57/TSB V-W57H/TSB V-E57/TSB V-E37/TSB V-E27/TSB V-E27H/TSB u-COMSYSCON/SERVO IC601 UPD784927 CAPSTAN MOTOR DRIVE DATA CN3A01 DECK ONO AUDIO REC SIGNAL REC SM PROGRAM SW END SENSOR START SENSOR T.REEL SENSOR S.REEL SENSOR ONO AUDIO PB SIGNAL XT601:32,768KHz XT602:8MHz $\triangleleft$ HI-FI PB SIGNAL CBC DATA VFO DATA REMOCON DATA DRUM 4 VIDEO PB SIGNAL VIDEO REC SIGNAL TIC CLK CAPSTAN LOADING MOTOR DRIVE IC602 KA3082 LOADING MOTOR MEMORY KEY -IC605 LAY SENSOR MATRIX 24LC08 PT601/PT602/SW602 S601/S602/LD601/SW603

## 9. PCB Diagrams

9-1	9-1 Main
9-2	9-2 VFD (With AV-LinK)
9-3	9-3 VFD (Without AV-LinK)
9-4	9-4 AZ/NICAM
9-5	9-5 Front Jack

<del>9</del>-3

9-3

9-5

9-3

9-3

## 9. PCB Diagrams

9-1	Main	9-2
9-2	VFD (With AV-LinK)	9-3
9-3	VFD (Without AV-LinK)	9-3
9-4	A2/NICAM	9-3
9-5	Front Jack	9-3

- - - 9-2

- - 9-3

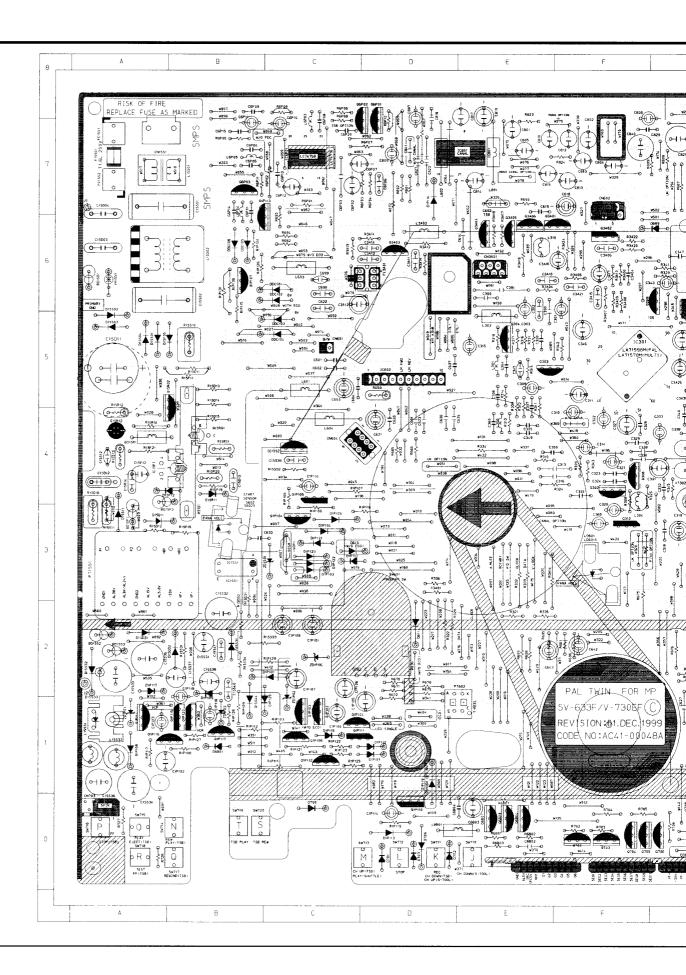
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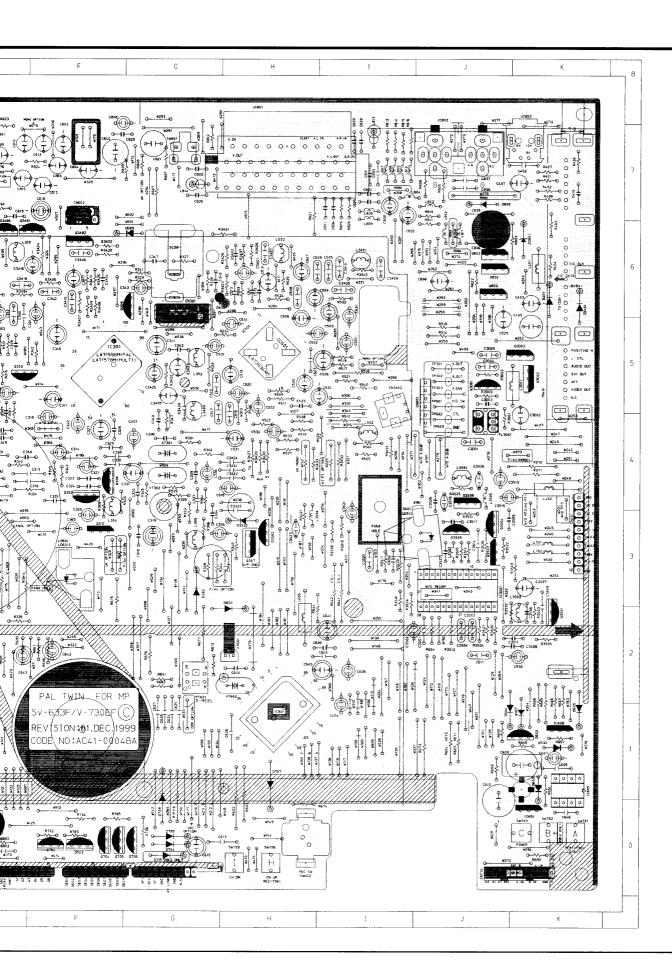
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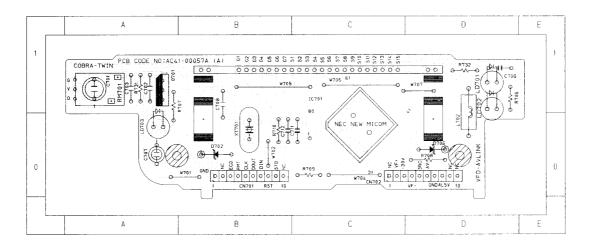
- - 9-3

PCB Diagrams

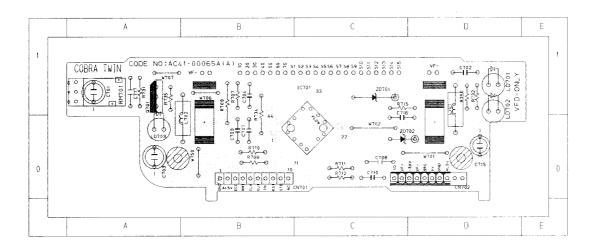
### 9-1 Main

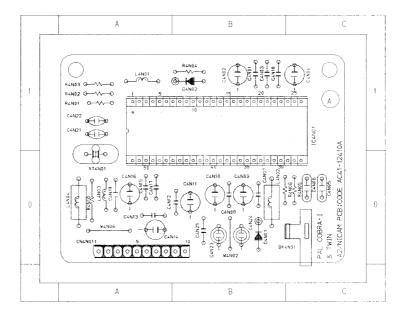




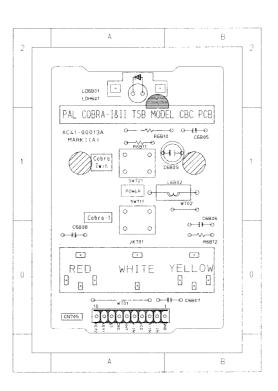


### 9-3 VFD (Without AV-Link)





### 9-5 Front Jack



# 10. Schematic Diagrams

◆ Block Identification of Main PCB	10-2
10-1 S.M.P.S.	10-3
10-2 Power (Ecology)	10-4
10-3 Power (Non-Ecology)	10-5
10-4 System Control/Servo	10-6
10-5 Audio/Video	10-7
10-6 Hi-Fi	10-8
10-7 TM-Block	10-9
10-8 SECAM	10-10
10-9 A2/NICAM	10-11
10-10 Input-Output (2 Scart)	10-12
10-11 Input-Output (1 Scart)	10-13
10-12 OSD/VPS/PDC	10-14
10-13 OSD (Without VPS/PDC)	10-15
10-14 VFD (With AV-Link)	10-16
10-15 VFD (Without AV-Link)	10-17
10-16 Remote-Control (Multi)	10-18
10-17 Bemote-Control (VCB Only)	10-19

## 10. Schematic Diagrams

◆ Block Identification of Main PCB	10-2
10-1 S.M.P.S	10-3
10-2 Power (Ecology)	10-4
10-3 Power (Non-Ecology)	10-5
10-4 System Control/Servo	10-6
10-5 Audio/Video	10-7
10-6 Hi-Fi	10-8
10-7 TM-Block	10-9
10-8 SECAM	10-10
10-9 A2/NICAM	10-11
10-10 Input-Output (2 Scart)	10-12
10-11 Input-Output (1 Scart)	10-13
10-12 OSD/VPS/PDC	10-14
10-13 OSD (Without VPS/PDC)	10-15
10-14 VFD (With AV-Link)	10-16
10-15 VFD (Without AV-Link)	10-17
10-16 Remote-Control (Multi)	10-18
10-17 Remote-Control (VCR Only)	10-19

- 10-2

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10-11

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10-14

10-15

10-16

10-17

10-18

10-19

Note

Schematic Diagrams

### Note

For schematic Diagram

- Resistors are in ohms, 1/8W unless otherwise noted.

### Special note:

Most semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "electrostatically sensitive (ES) devices" section of this service manual.

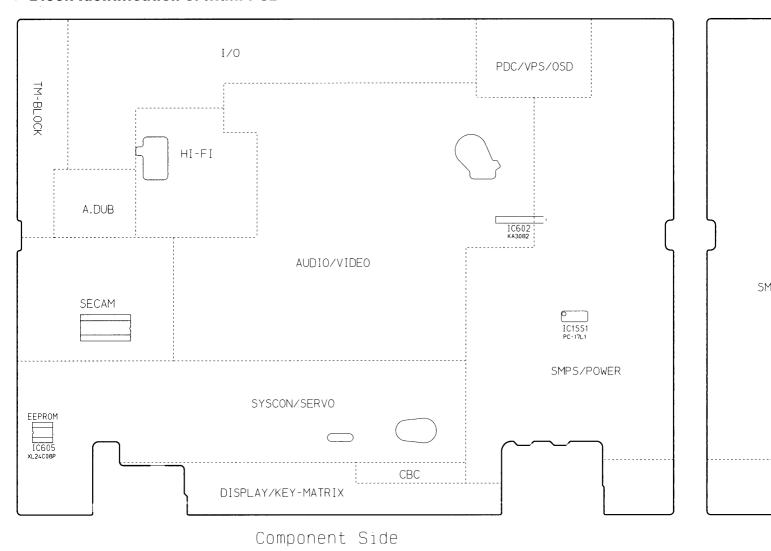
### Note:

Do not use the part number shown on this drawing for ordering. The correct part number is shown in the parts list (may be slightly different or amended since this drawing was prepared).

### Important safety notices:

Components identified with the mark  $\triangle$  have the special characteristics for safety. When replacing any of these components. Use only the same type.

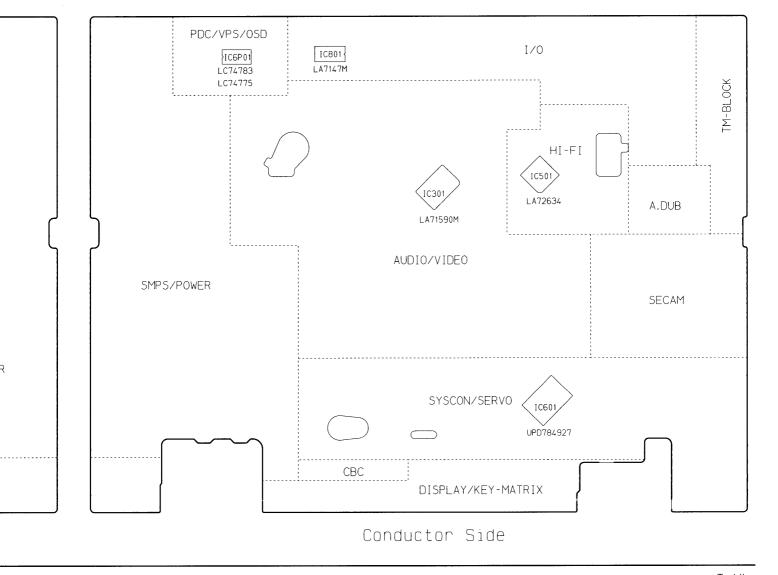
### ◆ Block Identification of Main PCB



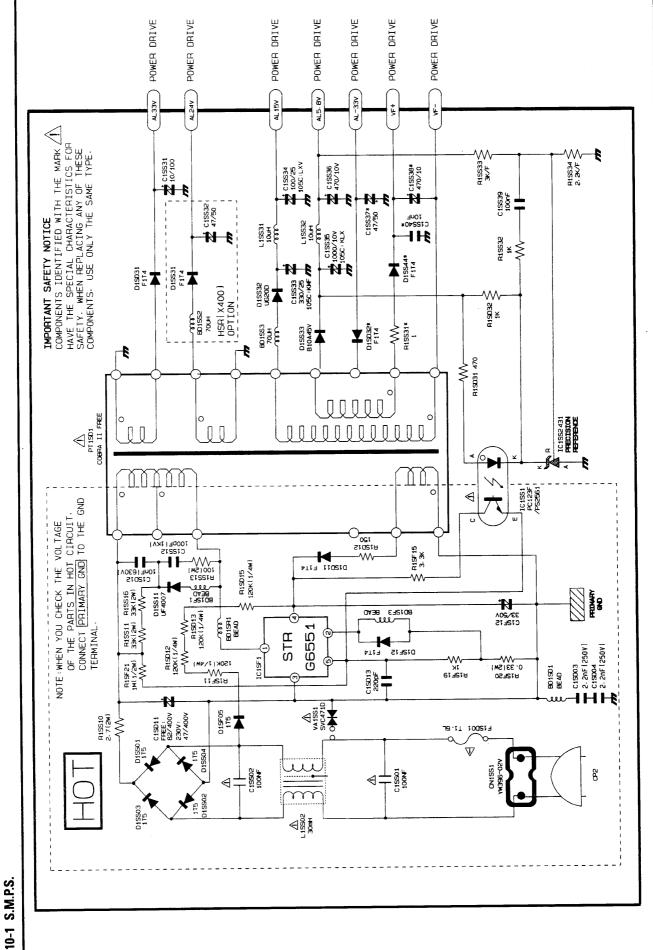
d under the

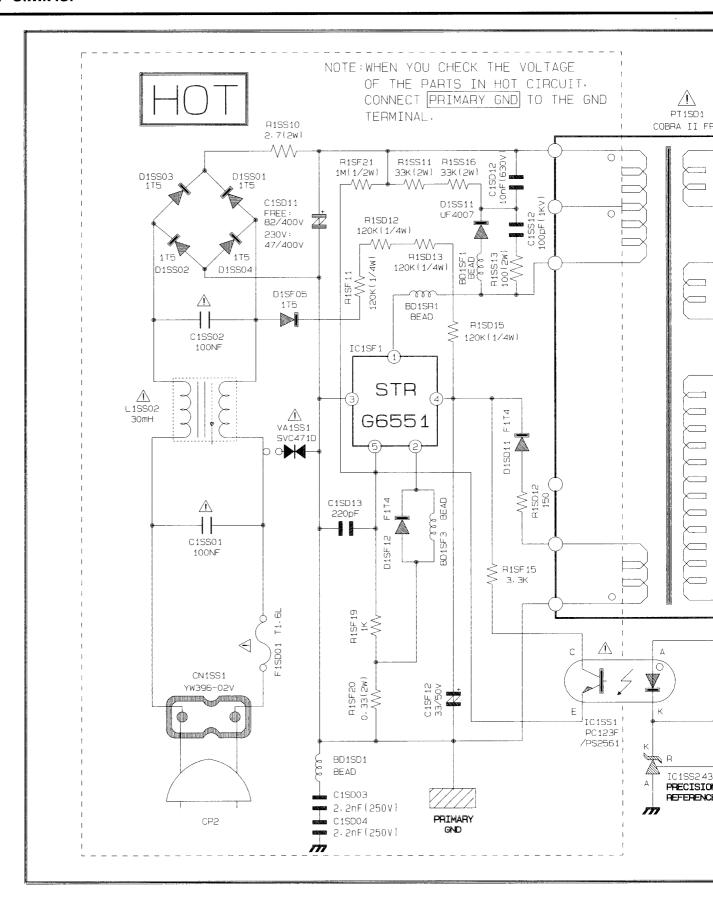
slightly different

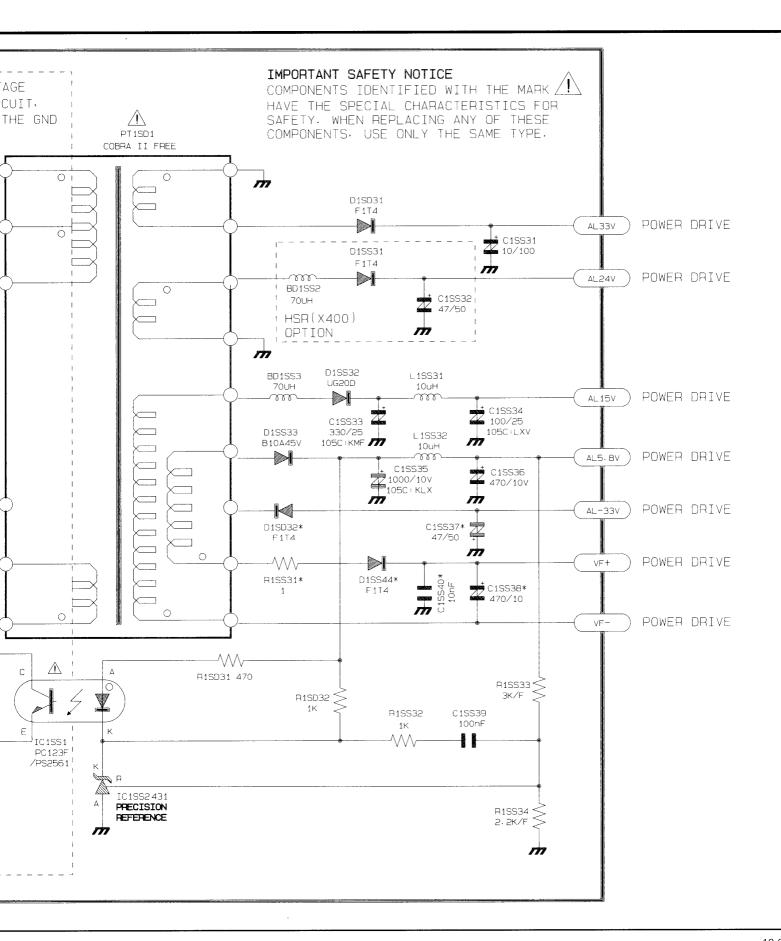
ents.

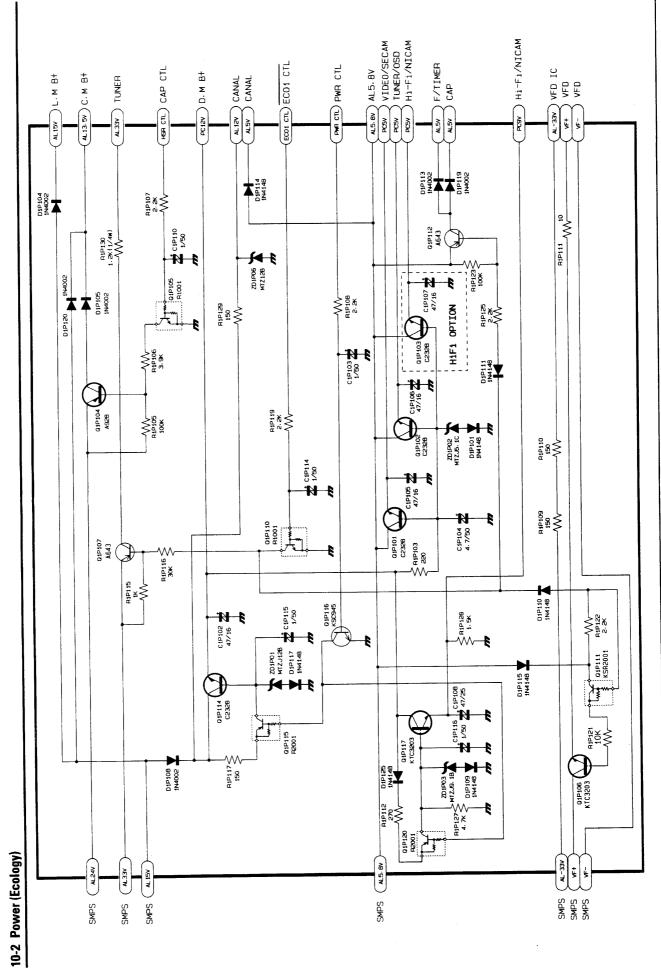


Schematic Diagrams



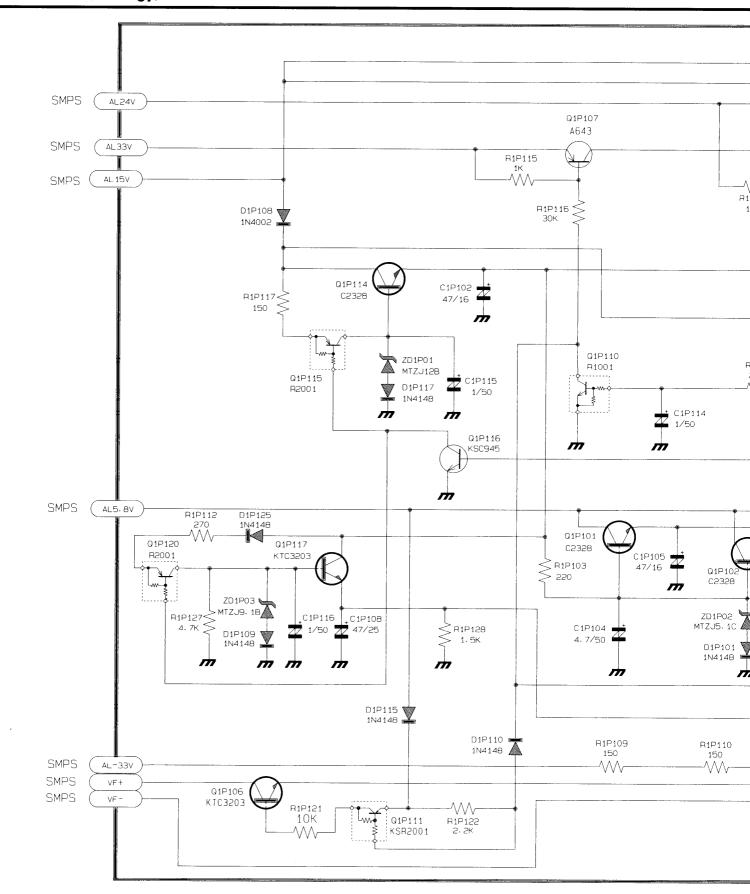


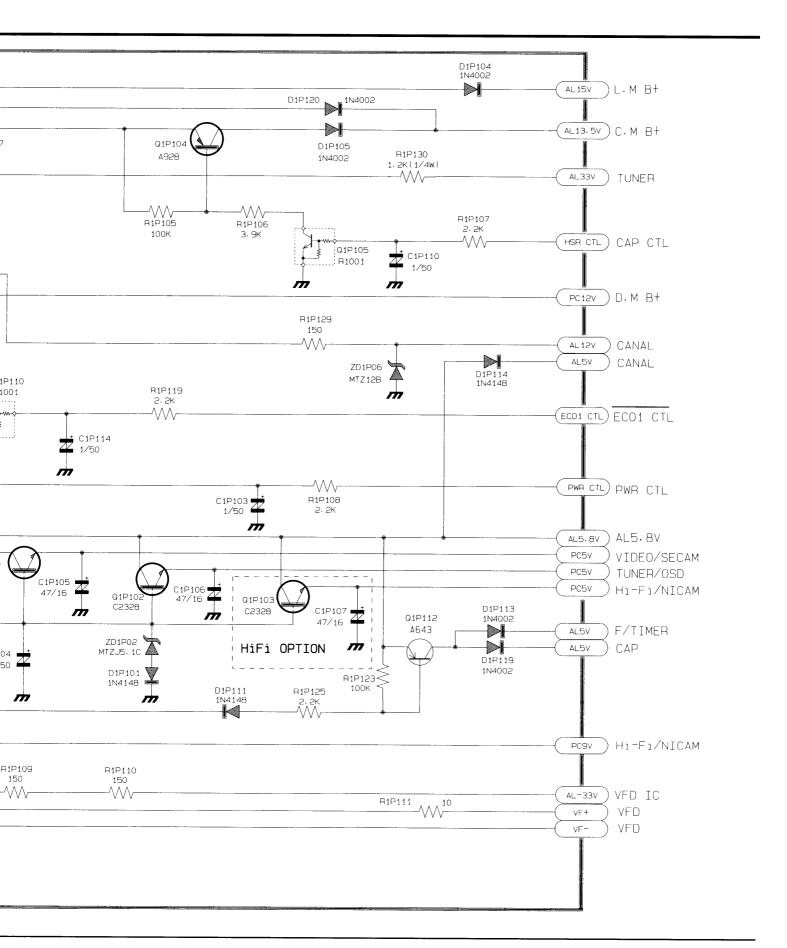


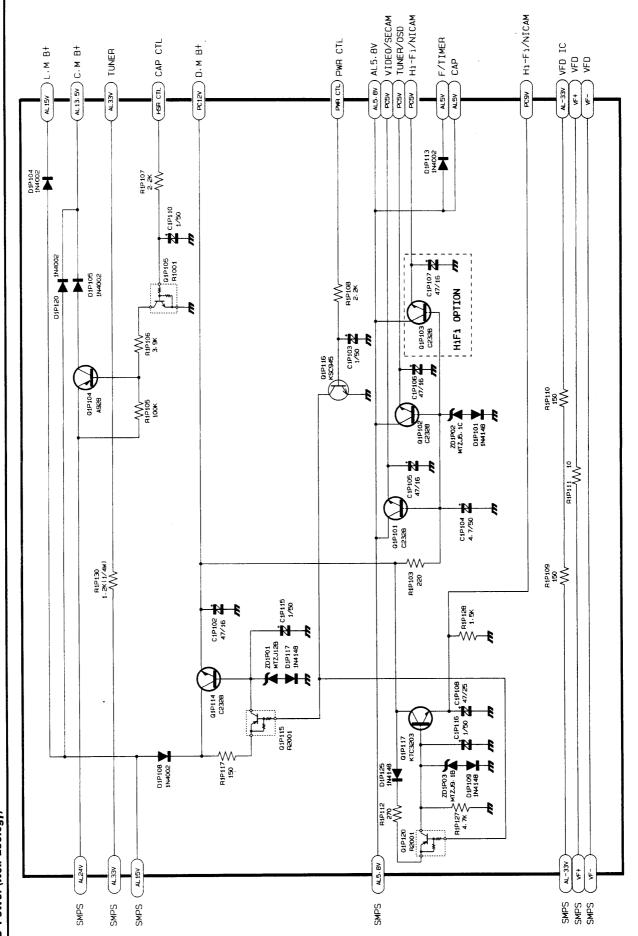


Schematic Diagrams

### 10-2 Power (Ecology)

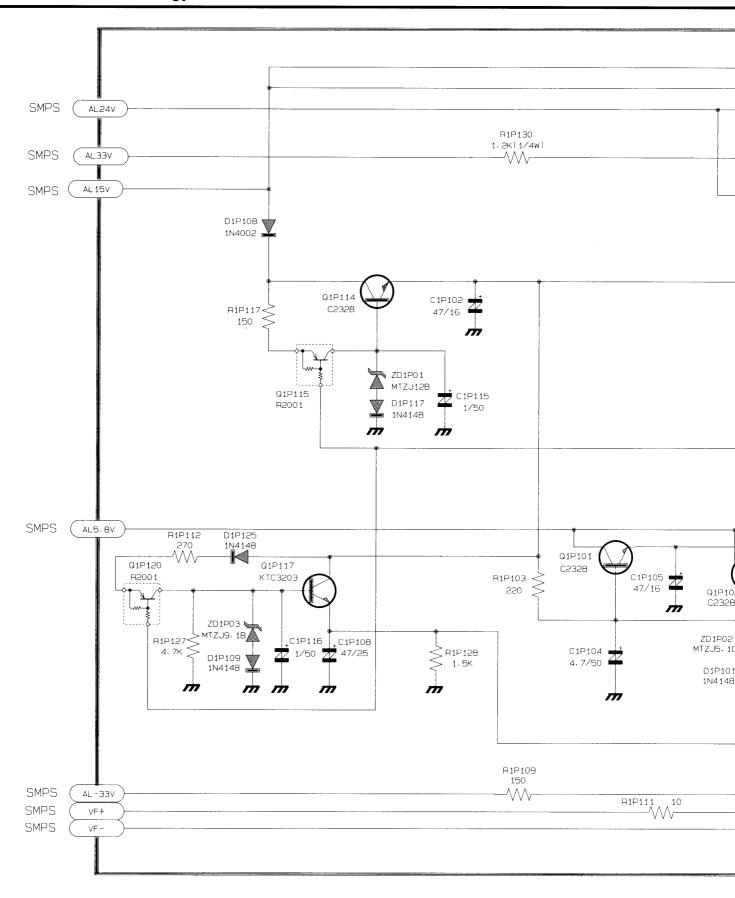


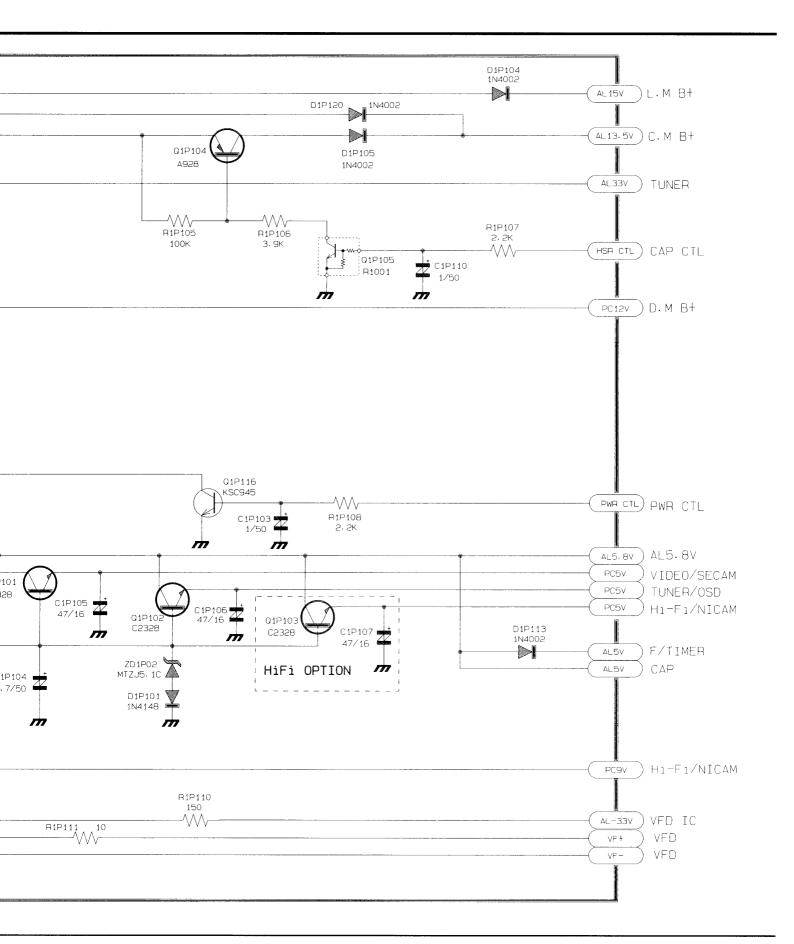


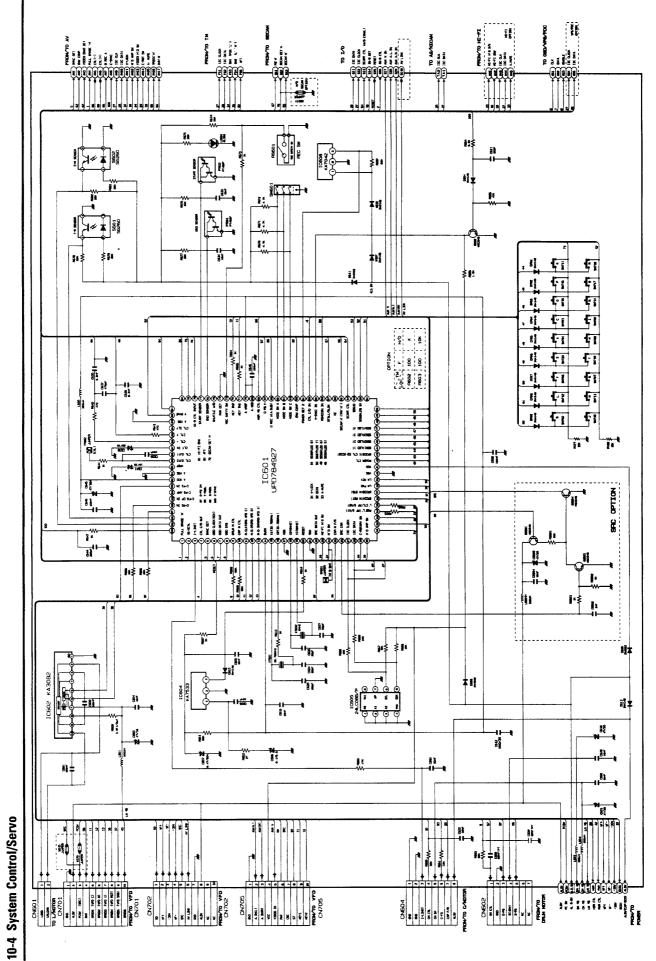


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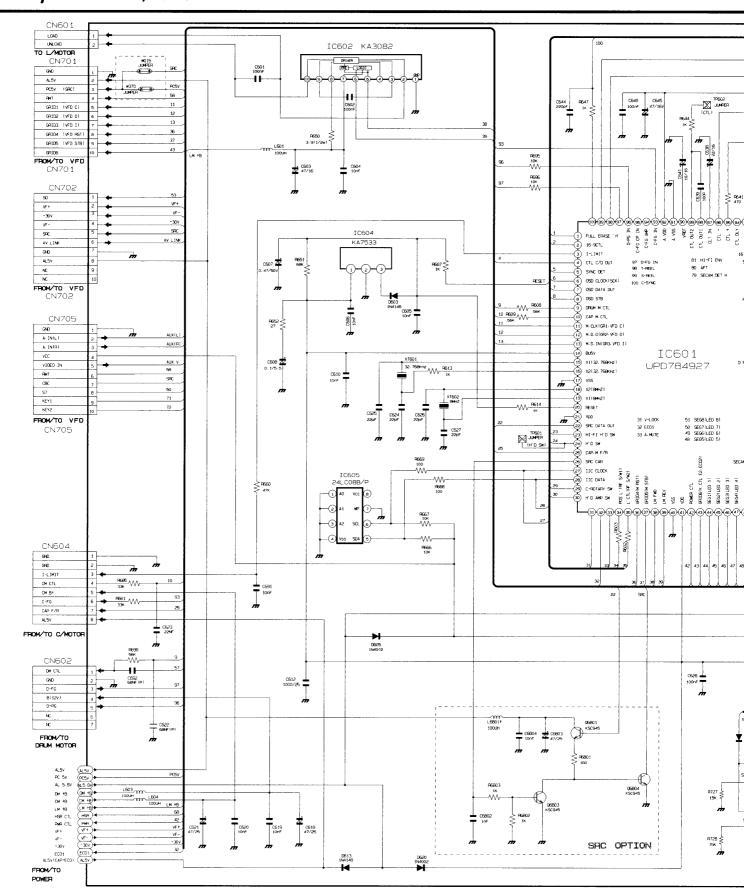
#### 10-3 Power (Non-Ecology)

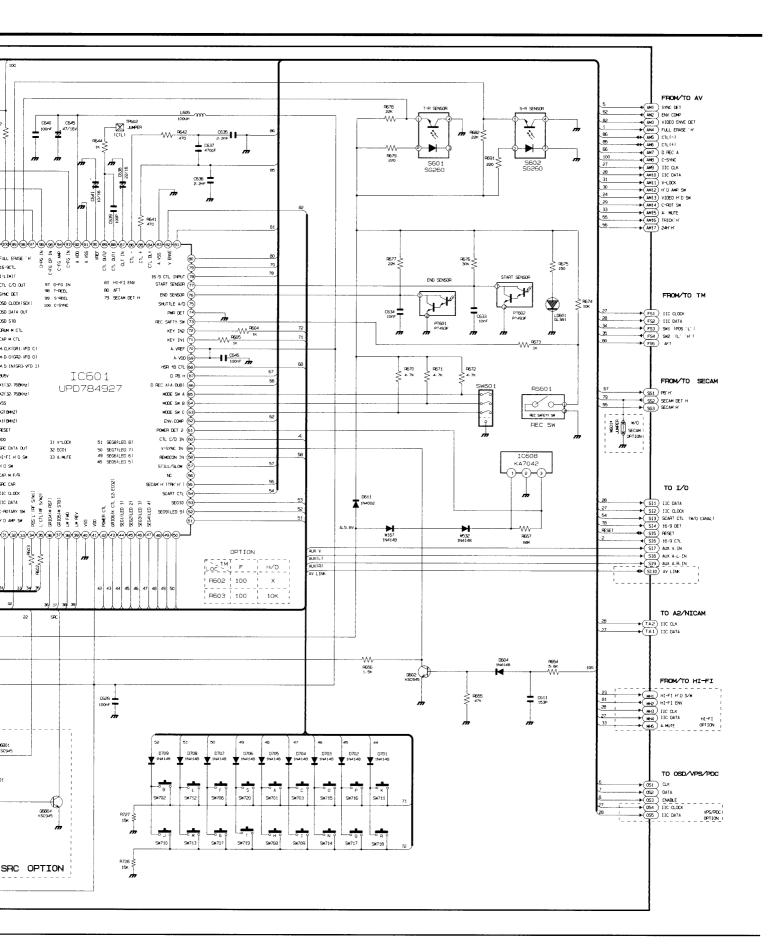


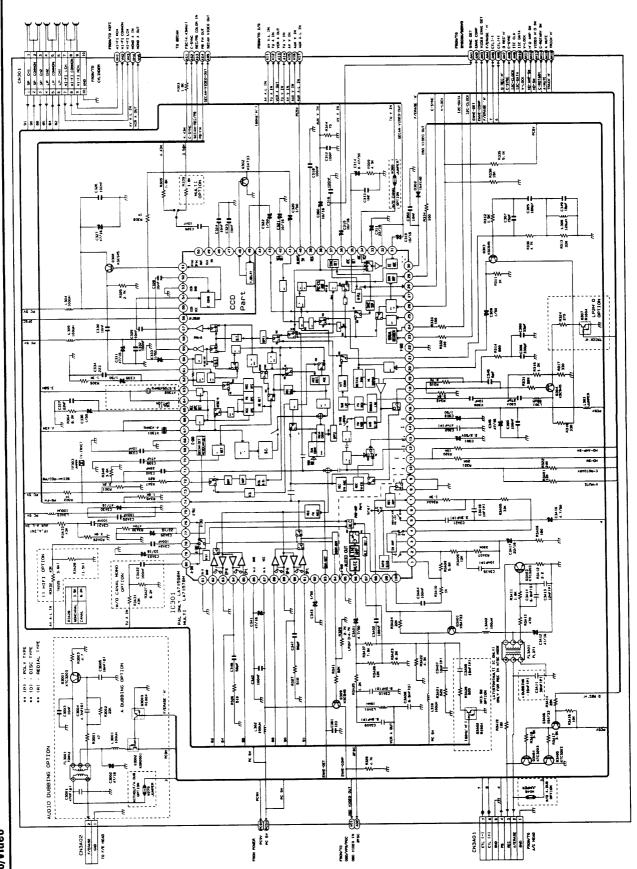




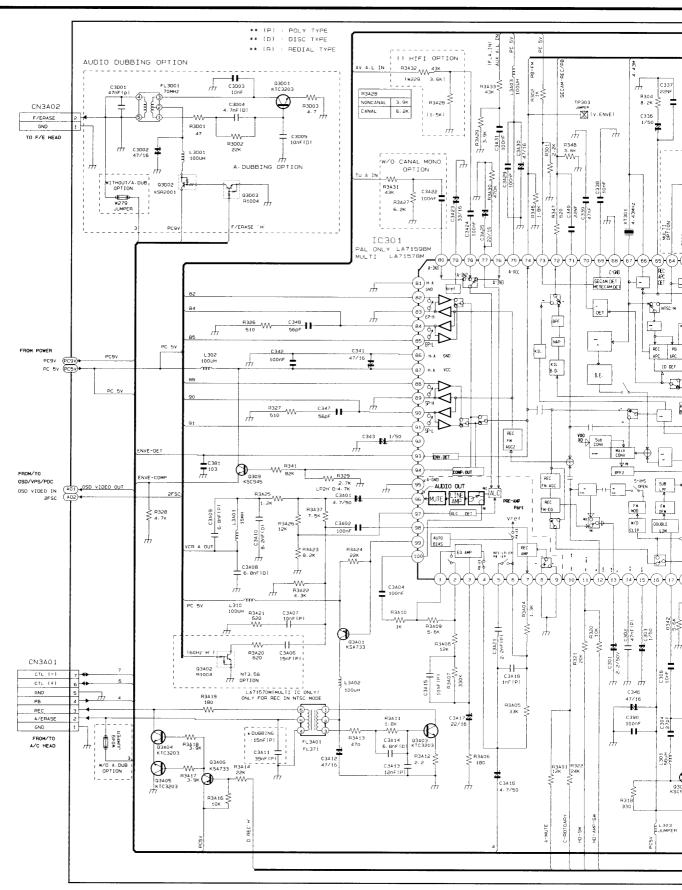
#### 10-4 System Control/Servo

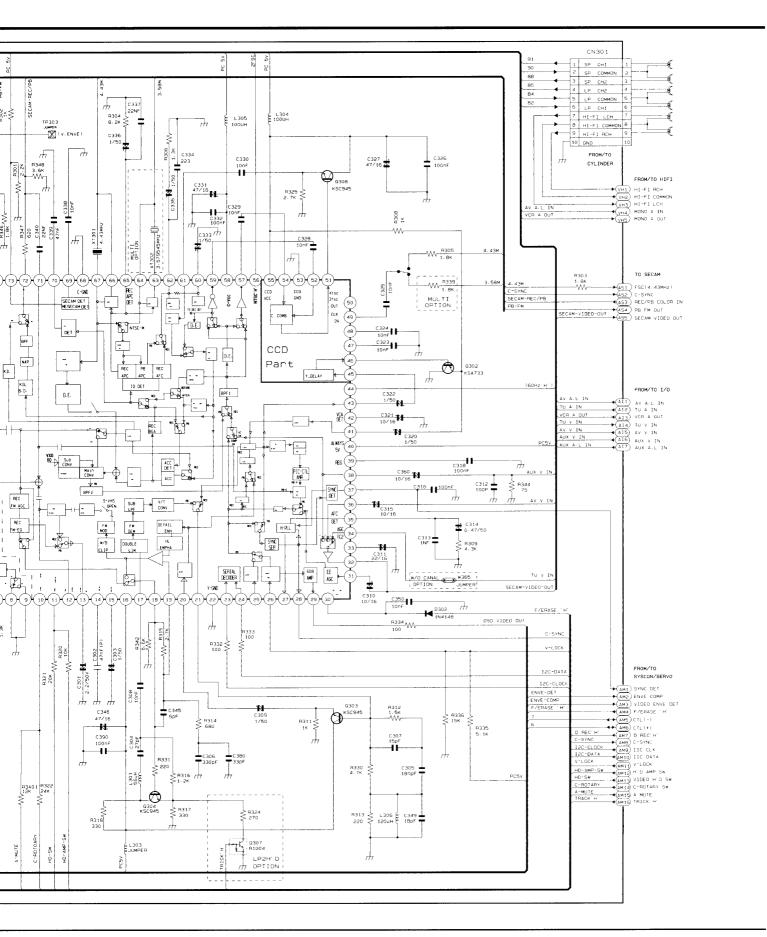


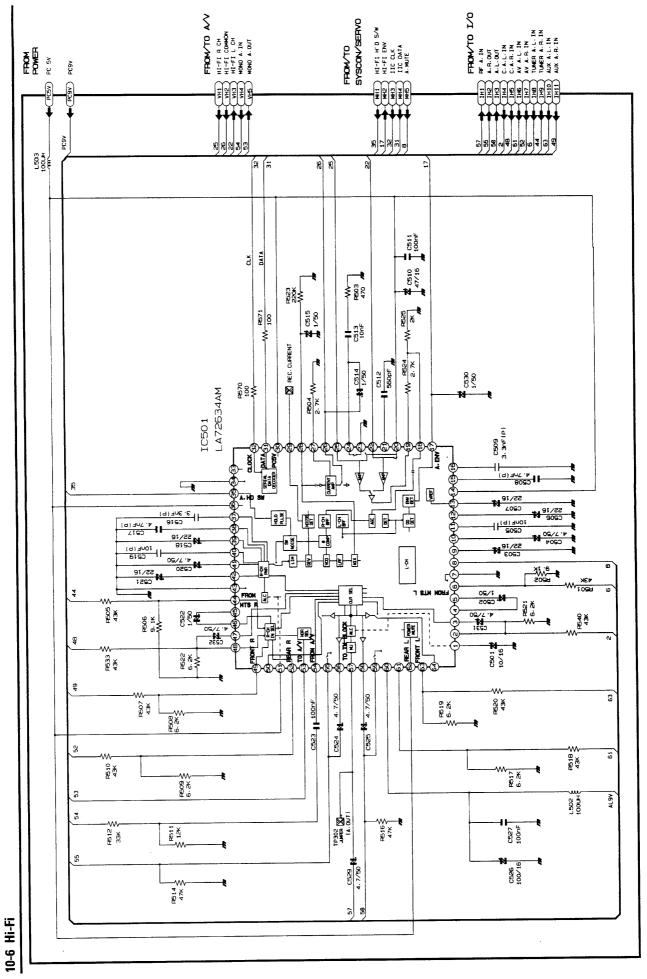




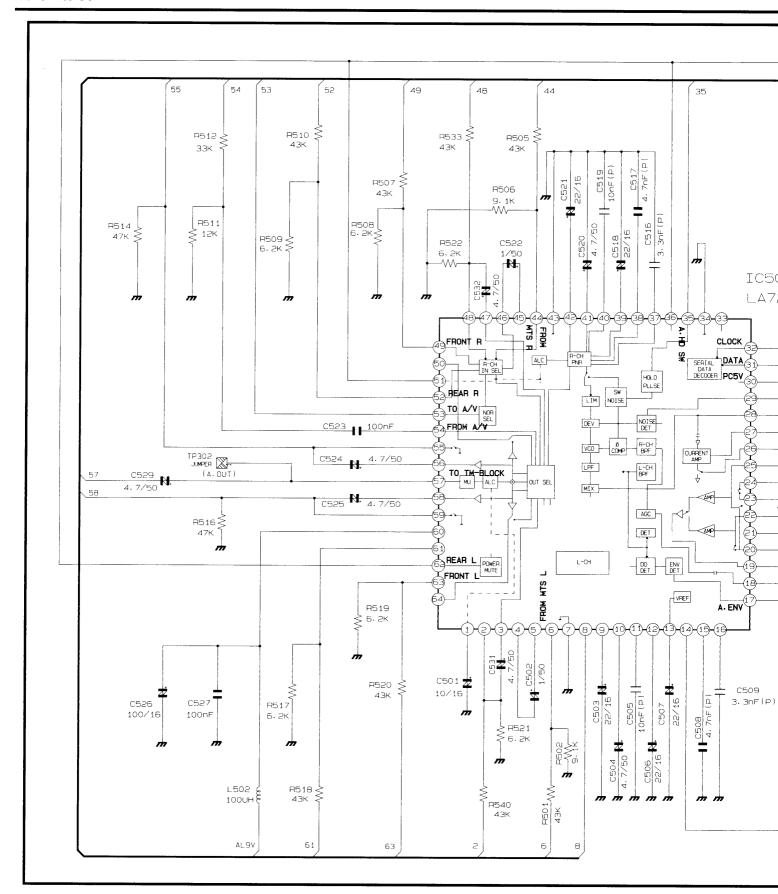
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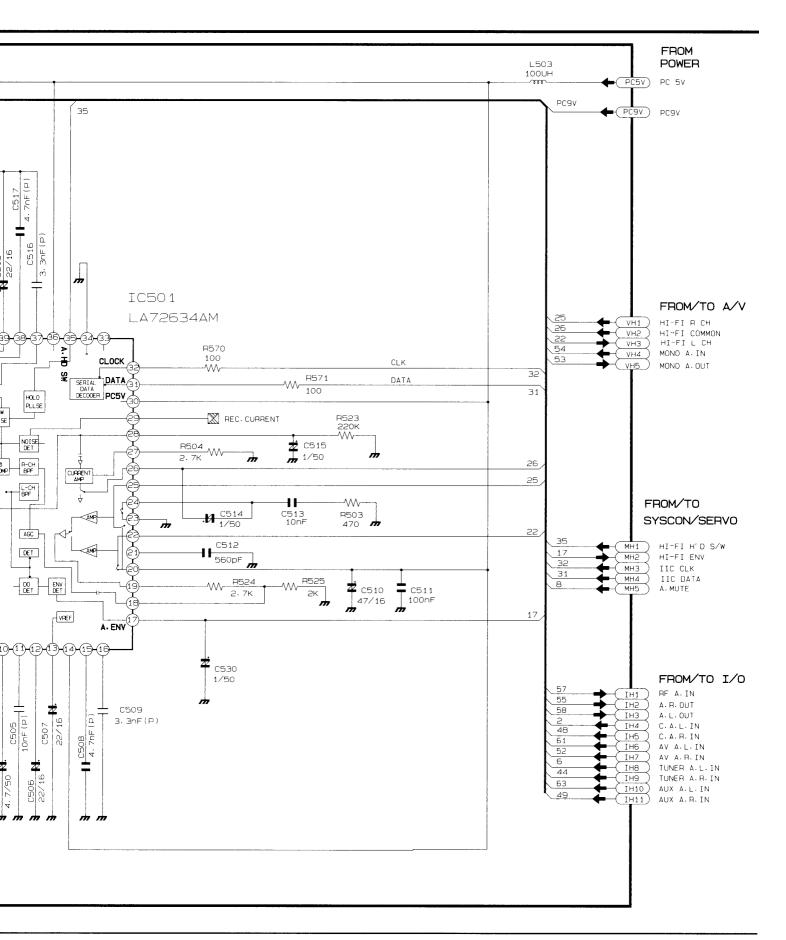


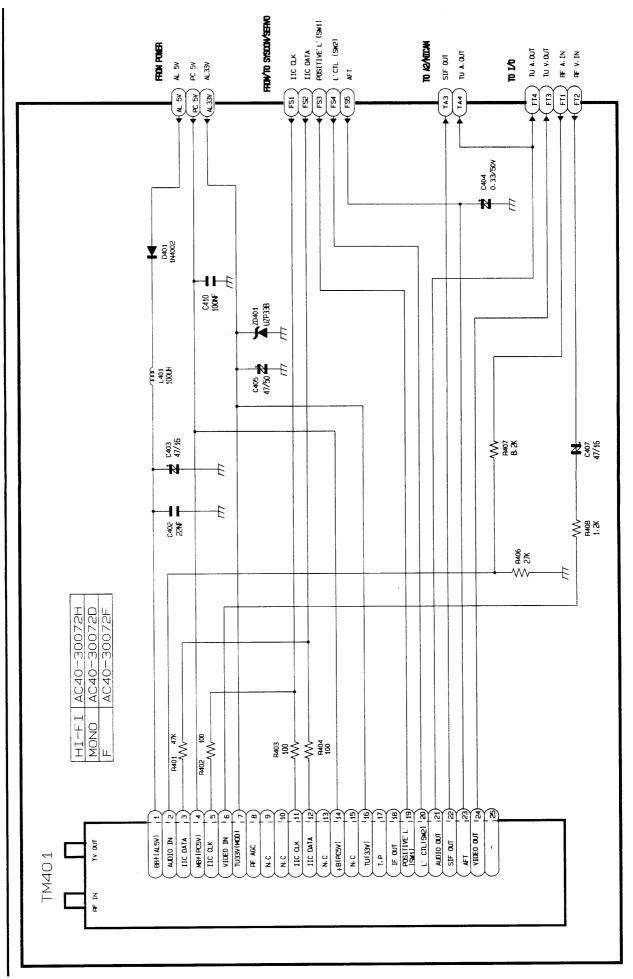




#### 10-6 Hi-Fi

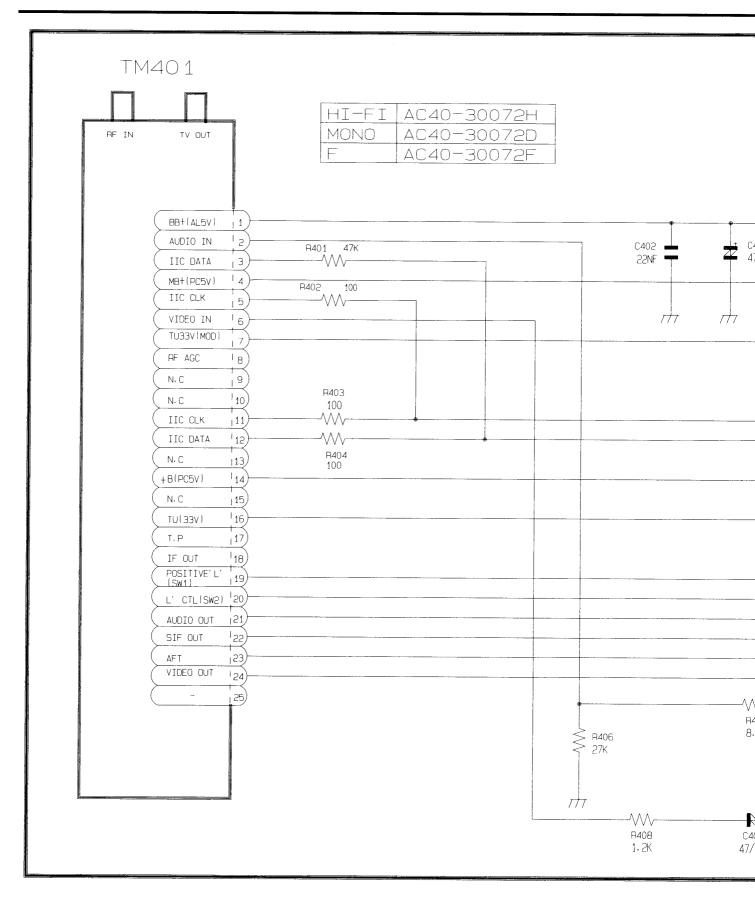


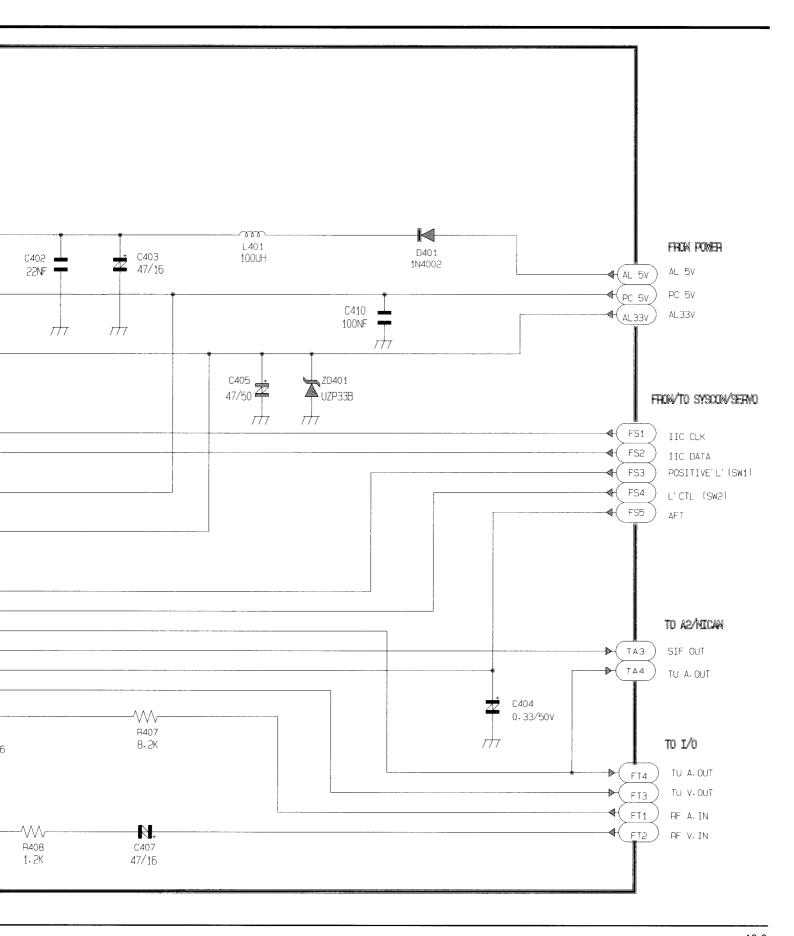




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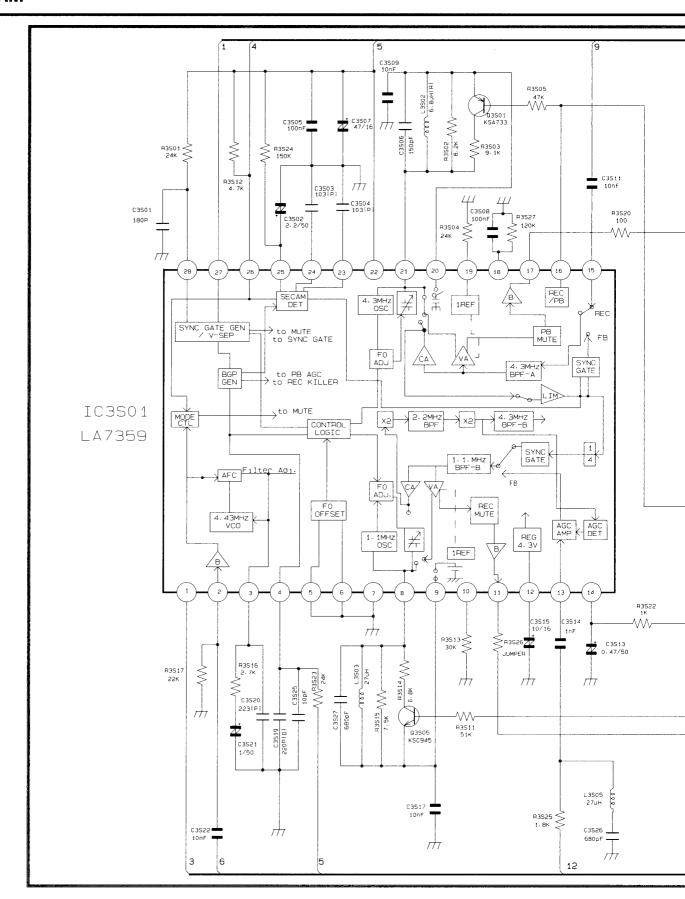
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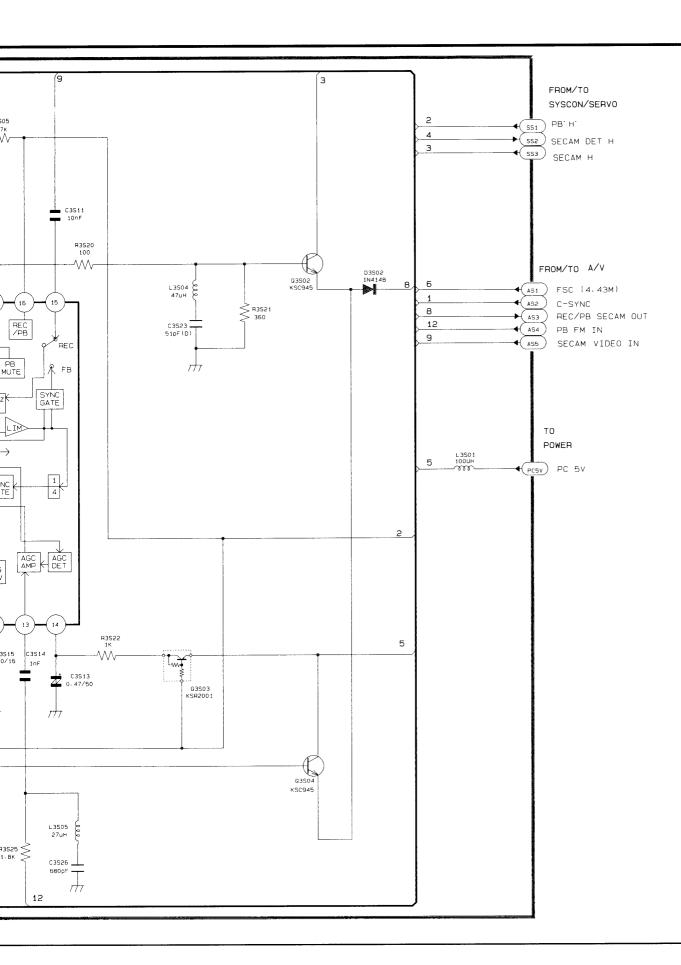


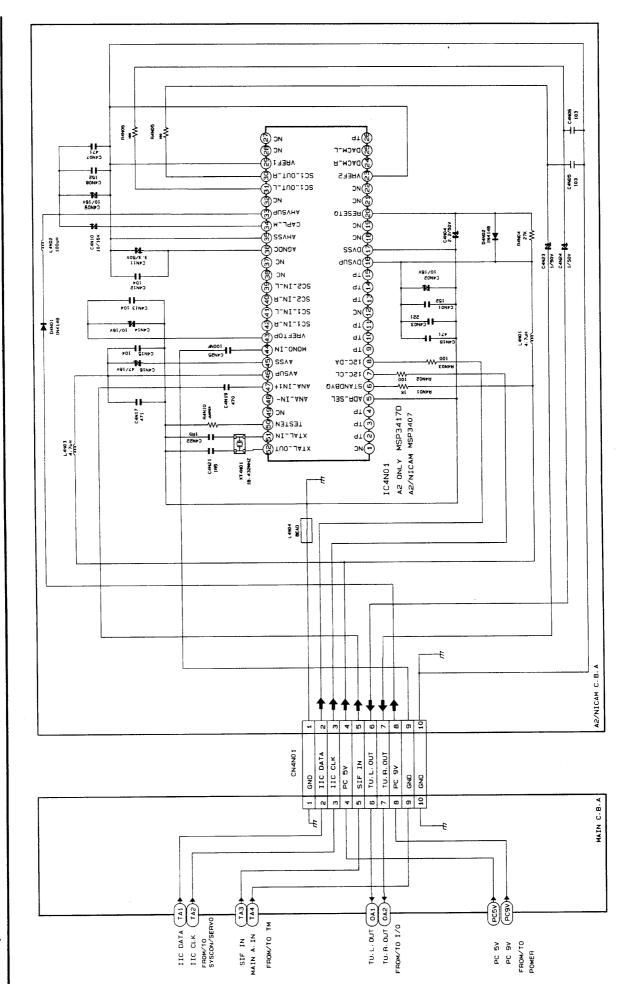


### 10-8 SECAM

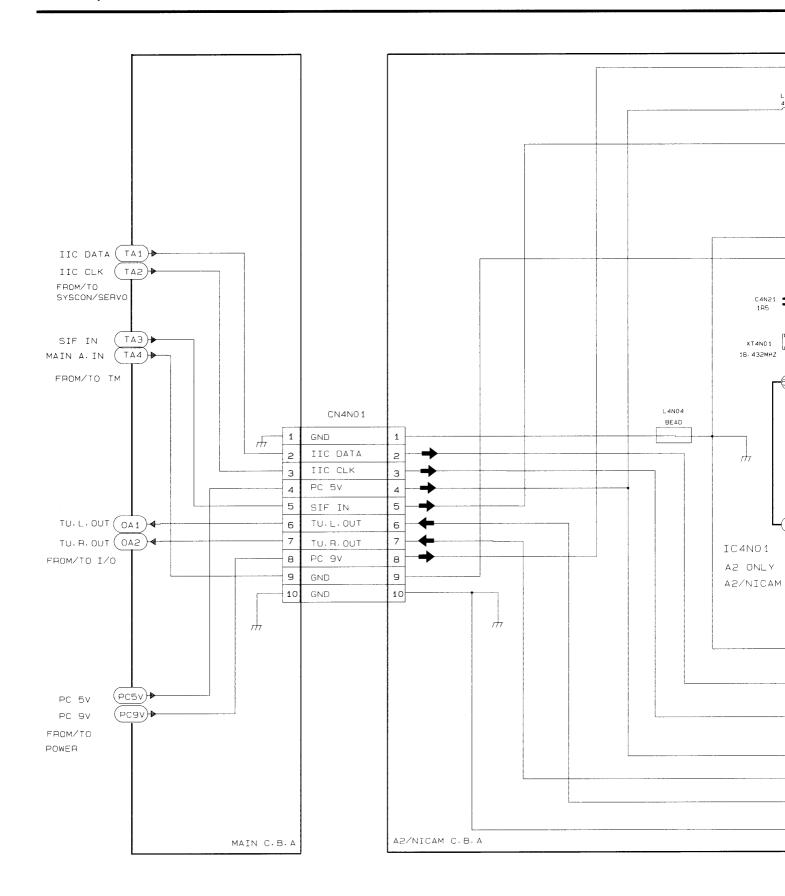
#### **10-8 SECAM**

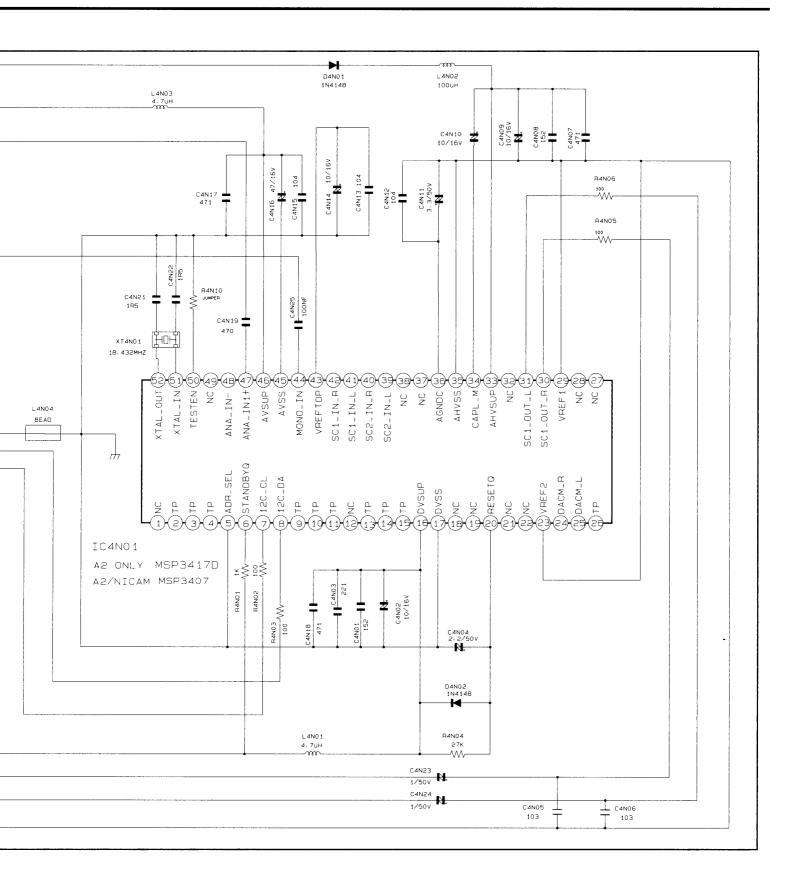




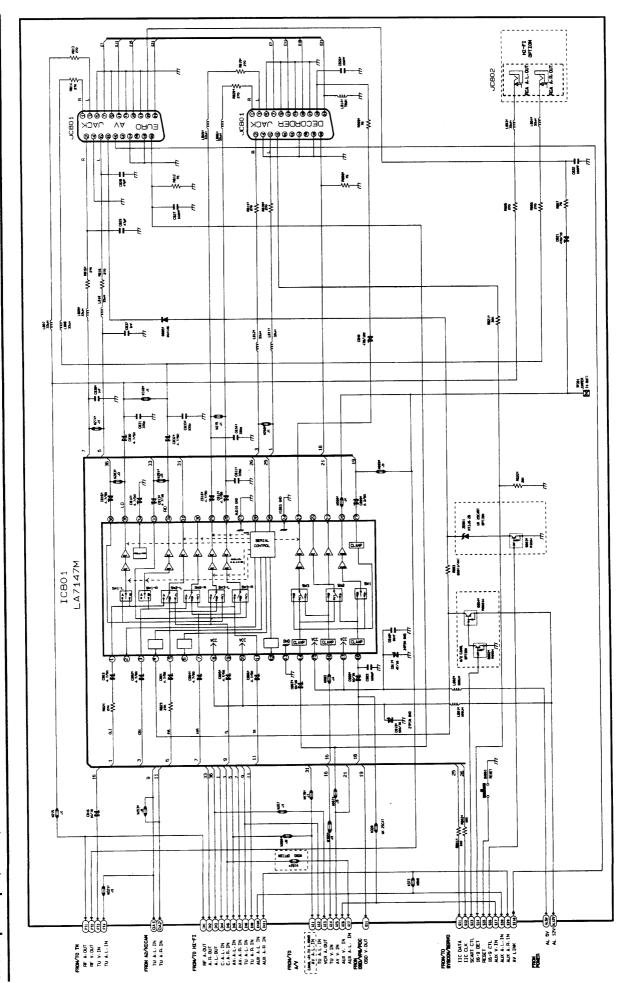


10-11



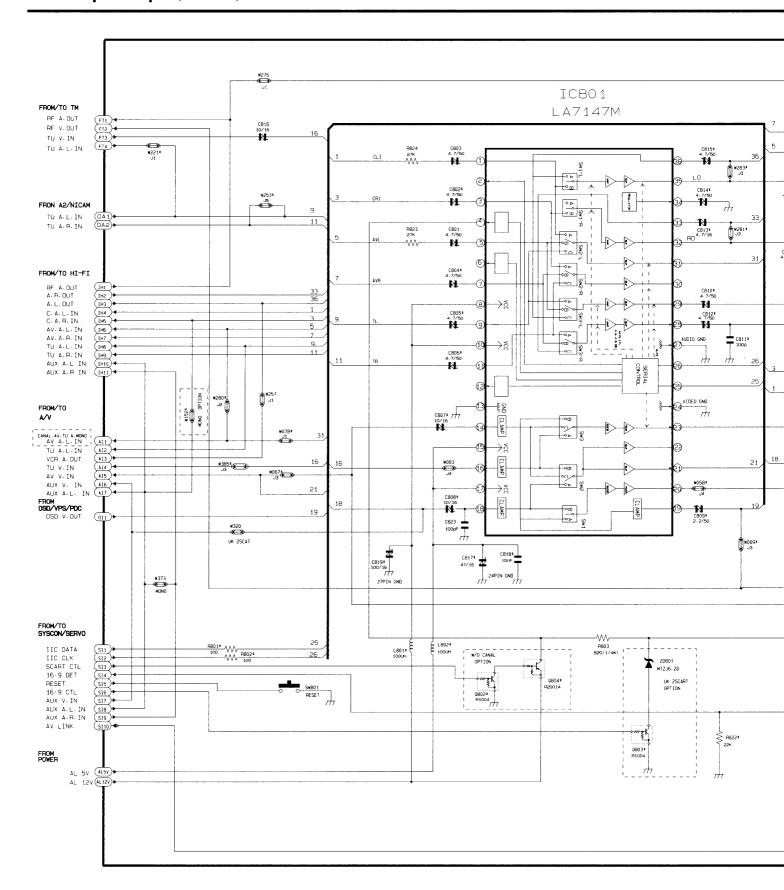


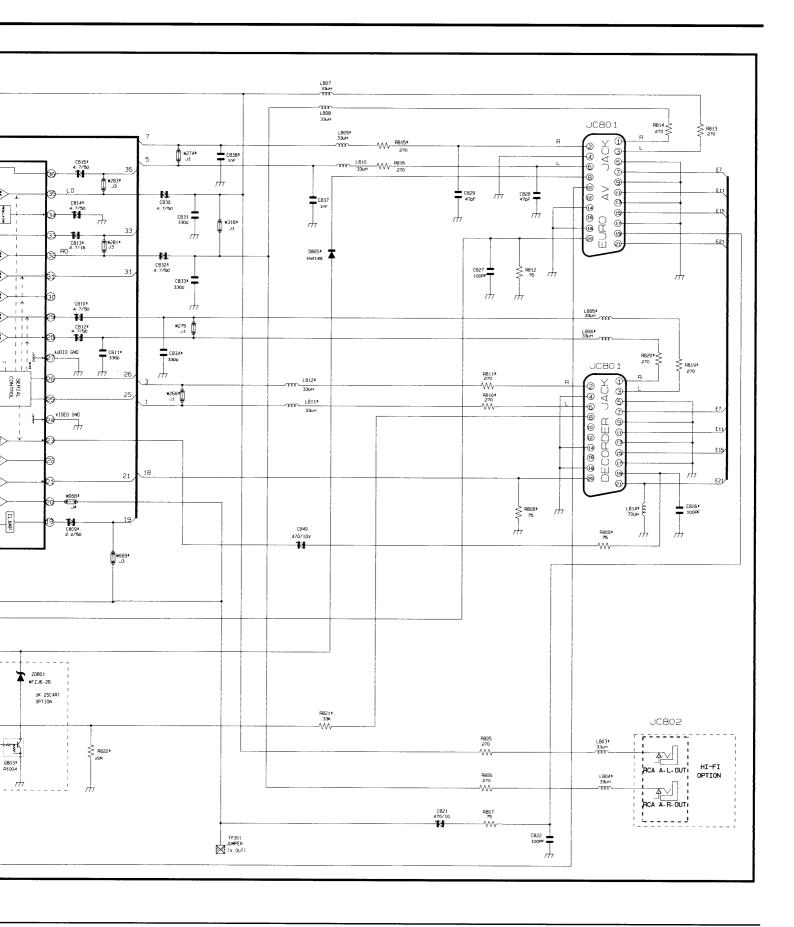
10-10 Input-Output (2 Scart)

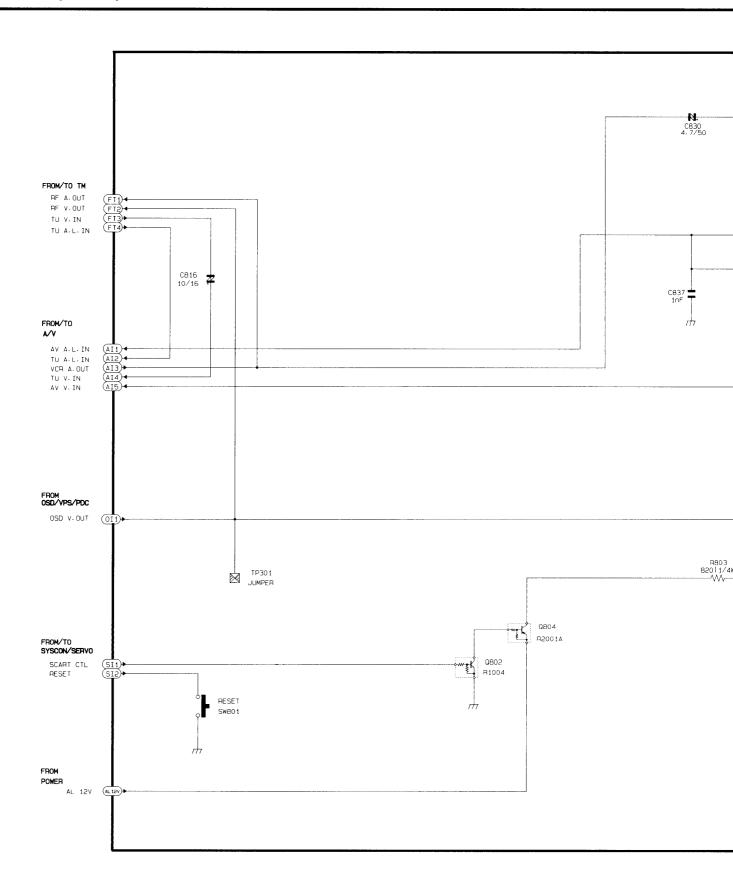


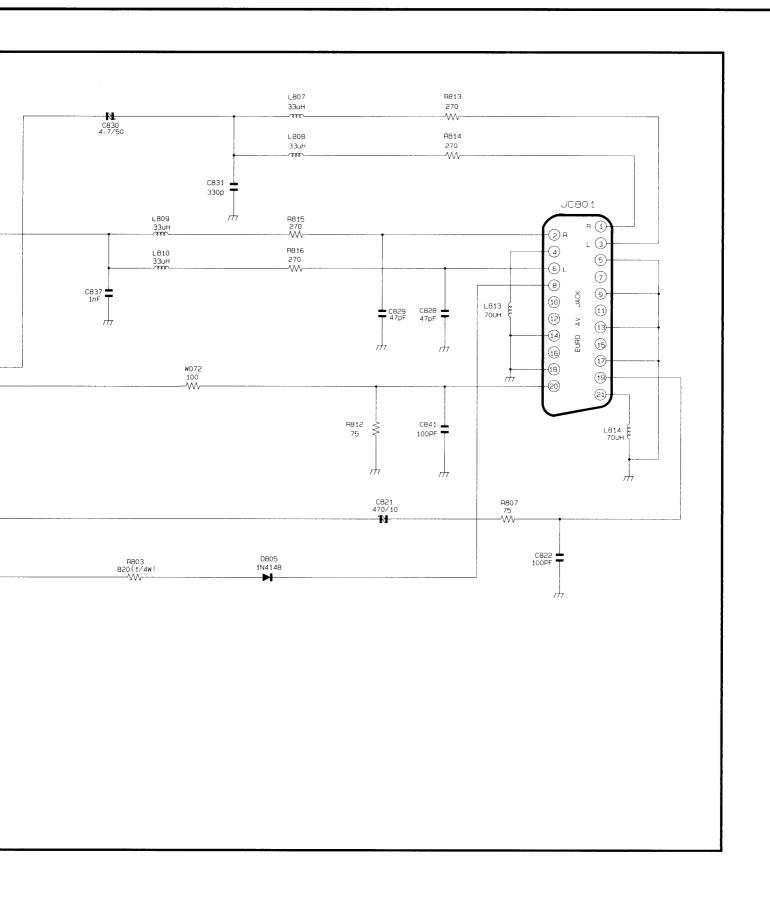
10-12

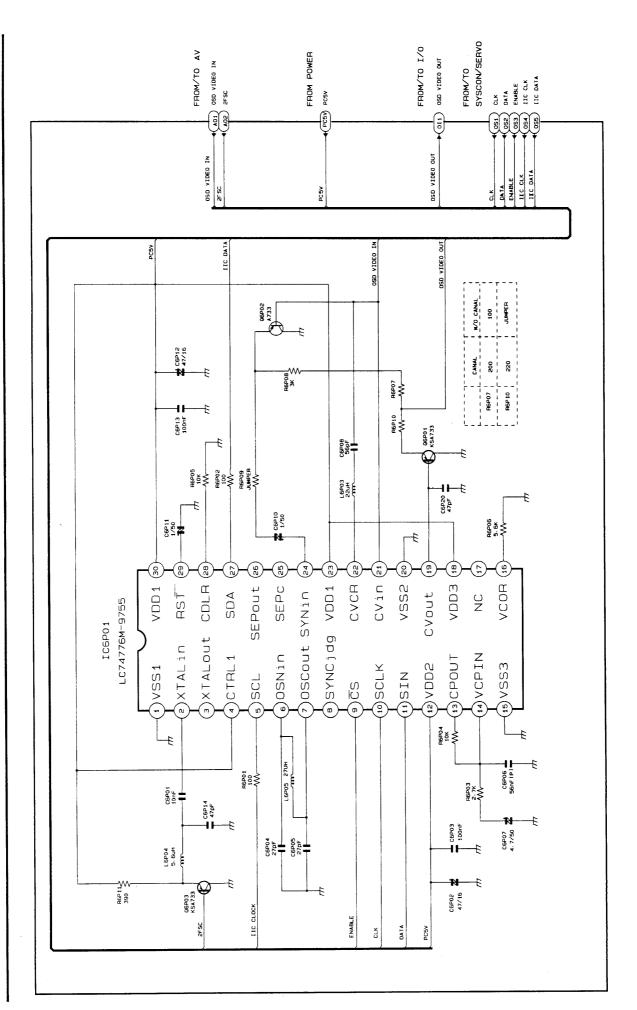
#### 10-10 Input-Output (2 Scart)



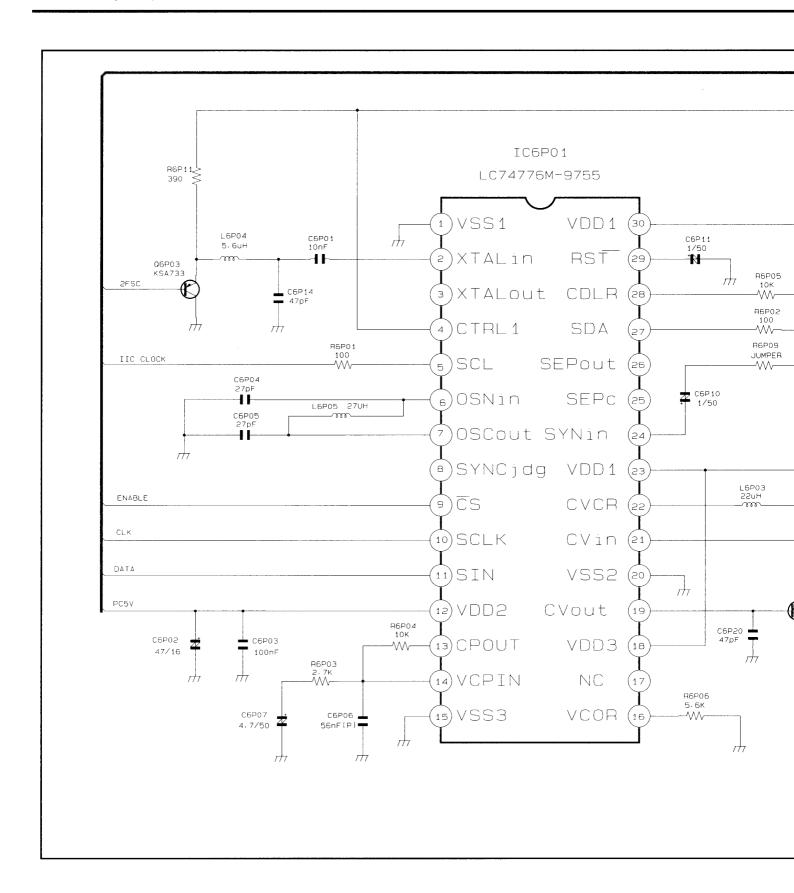


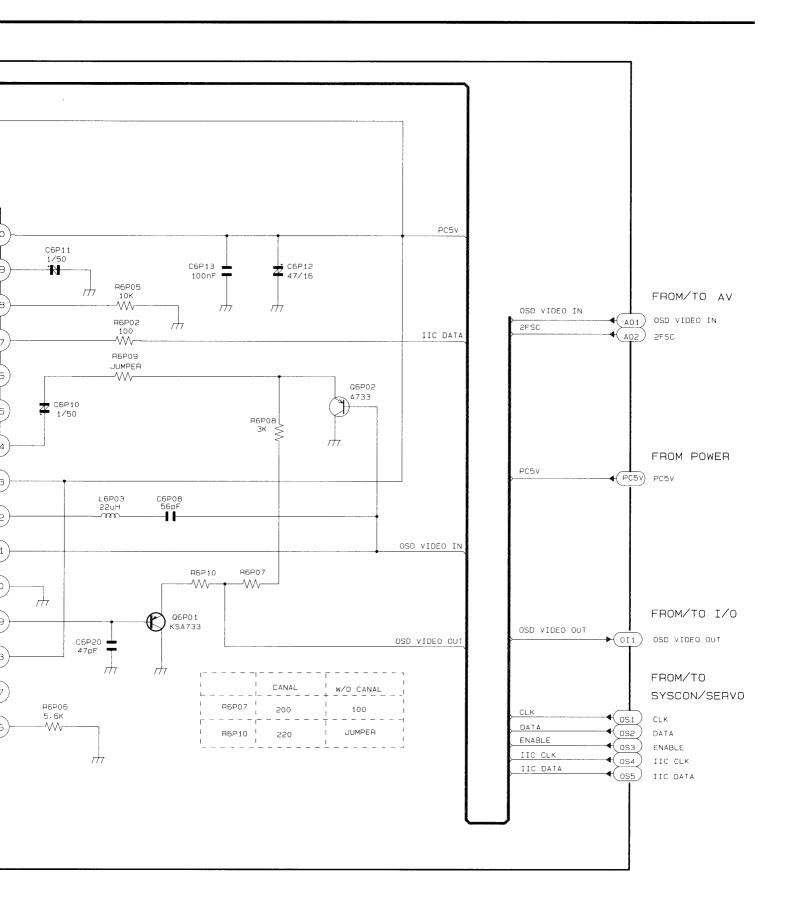


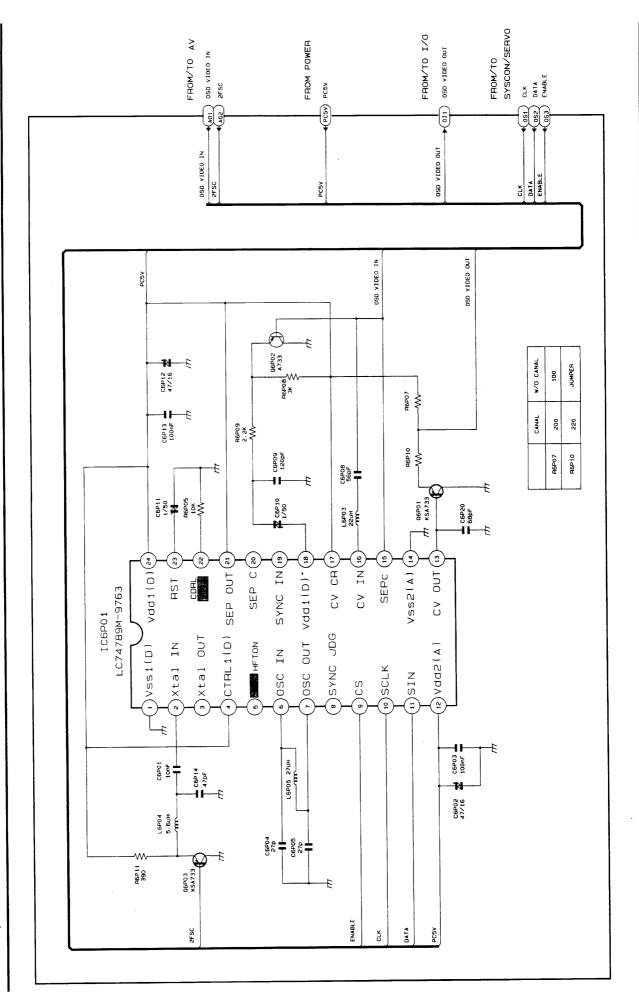




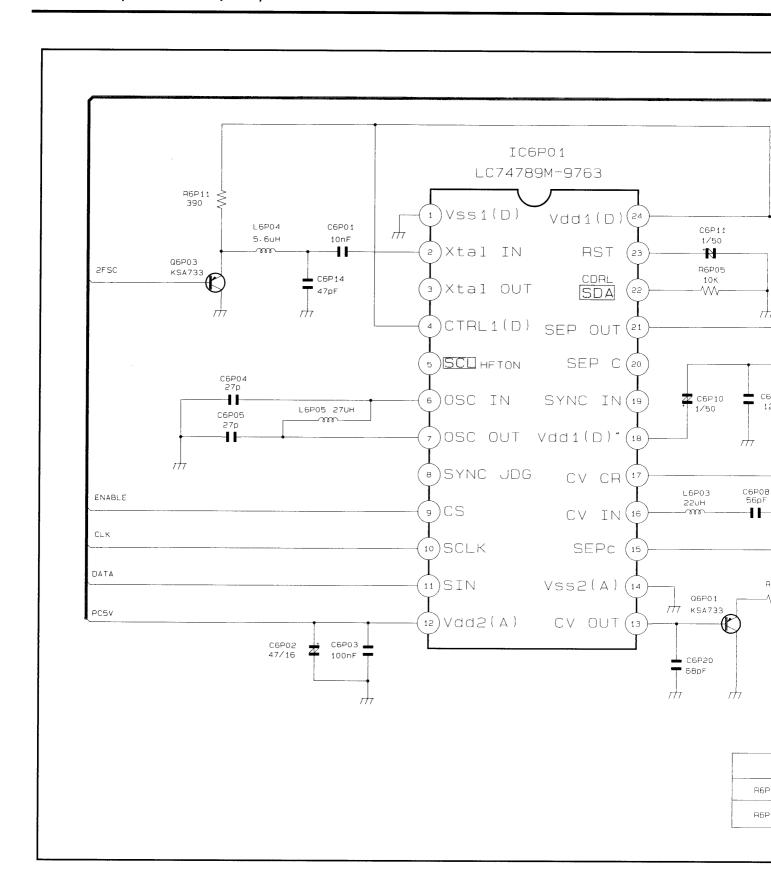
#### 10-12 OSD/VPS/PCD

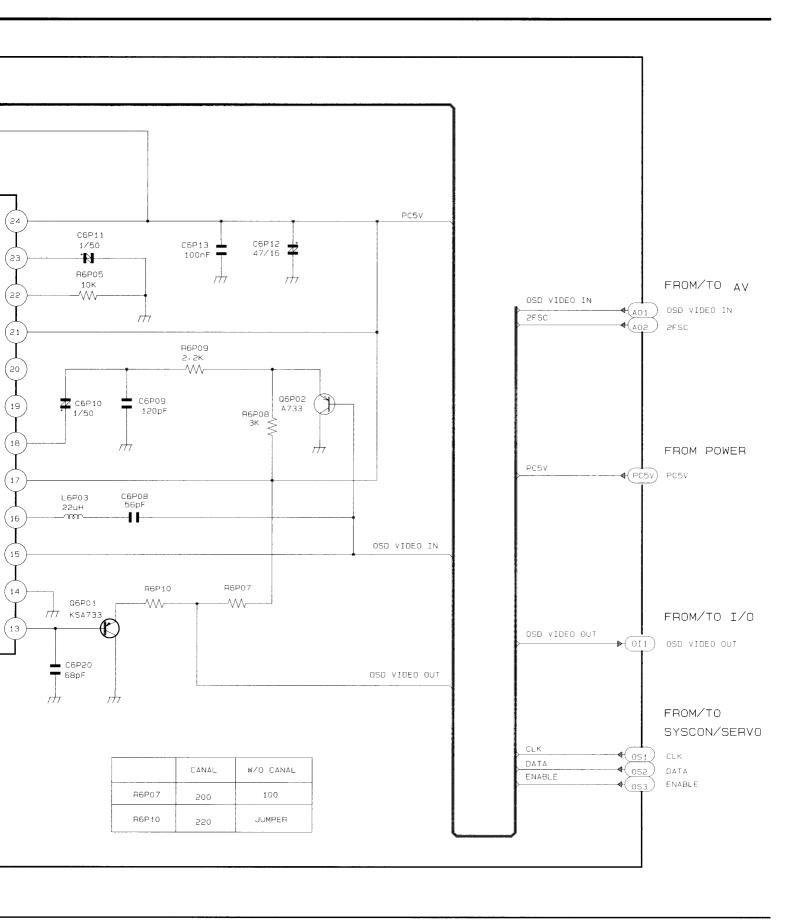




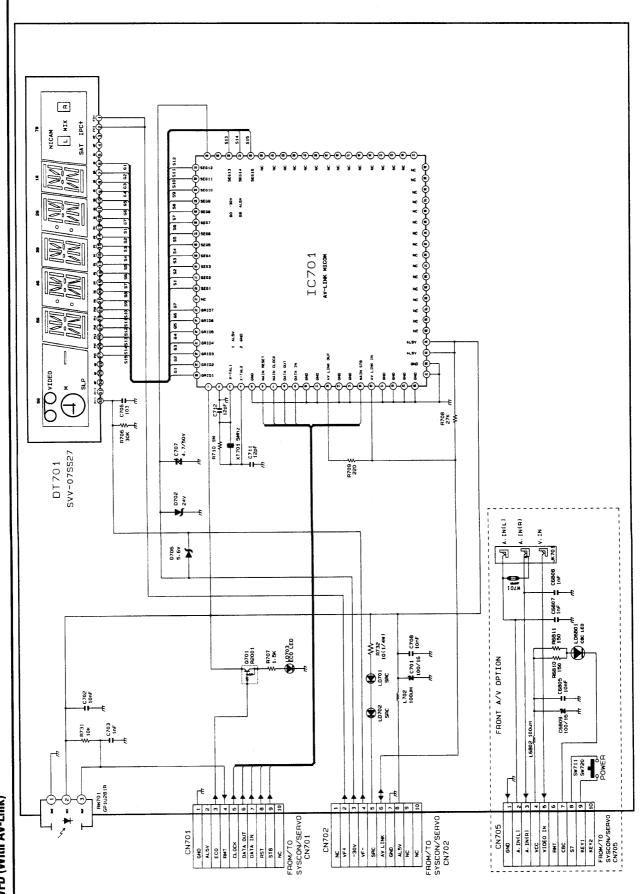


10-15

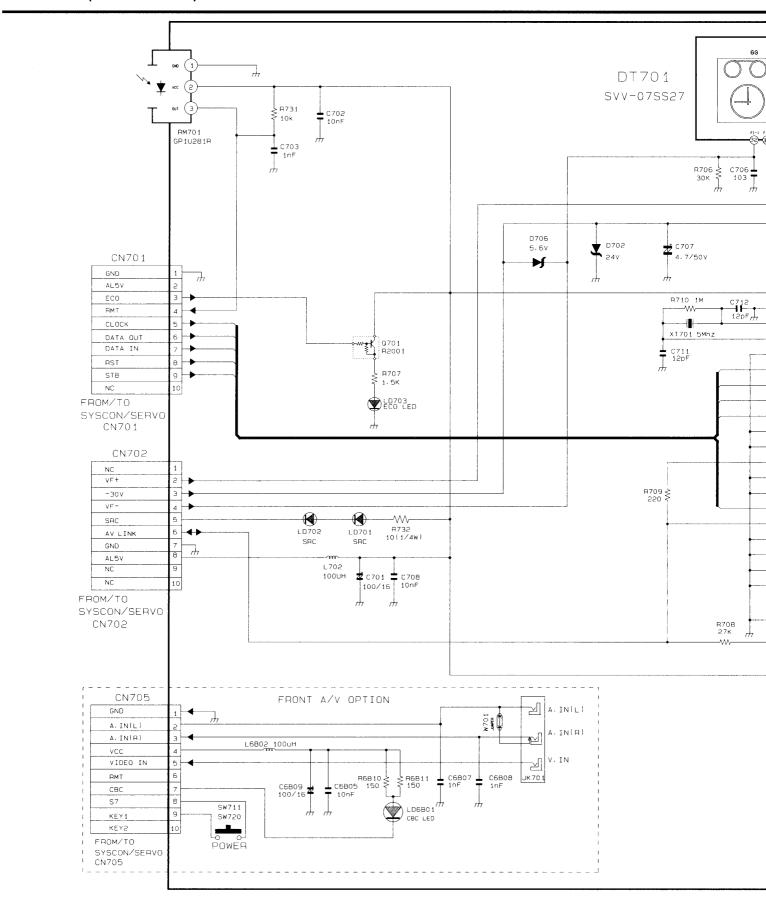


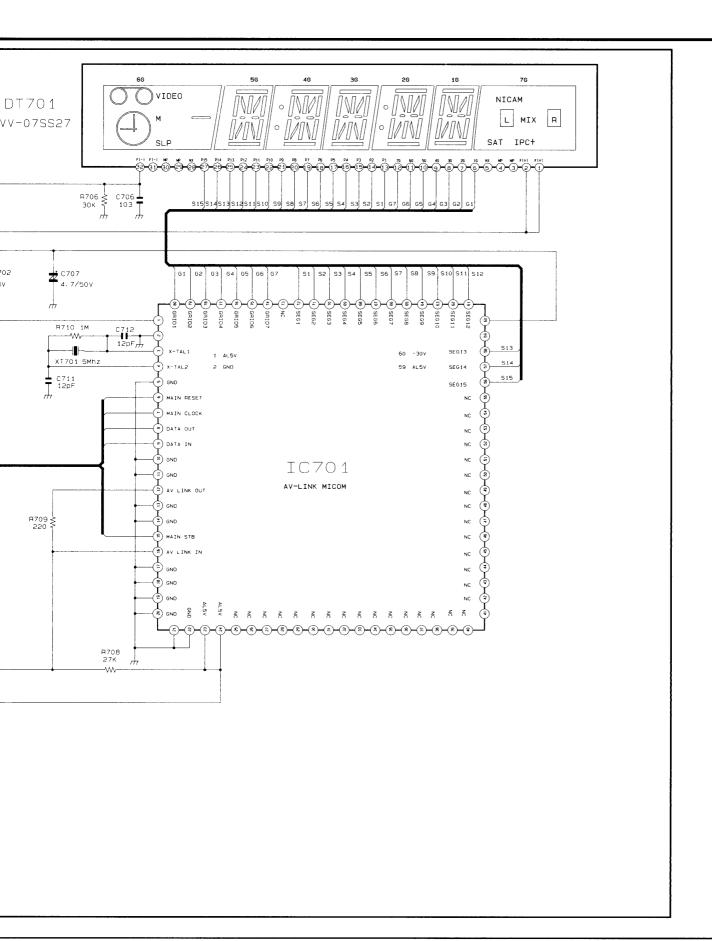


## 10-14 VFD (With AV-Link)

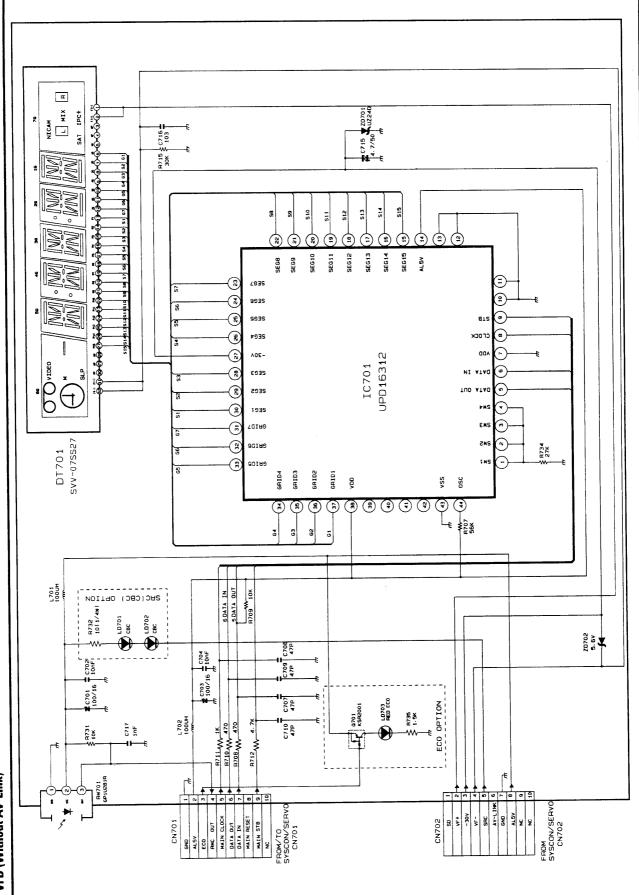


#### 10-14 VFD (With AV-Link)

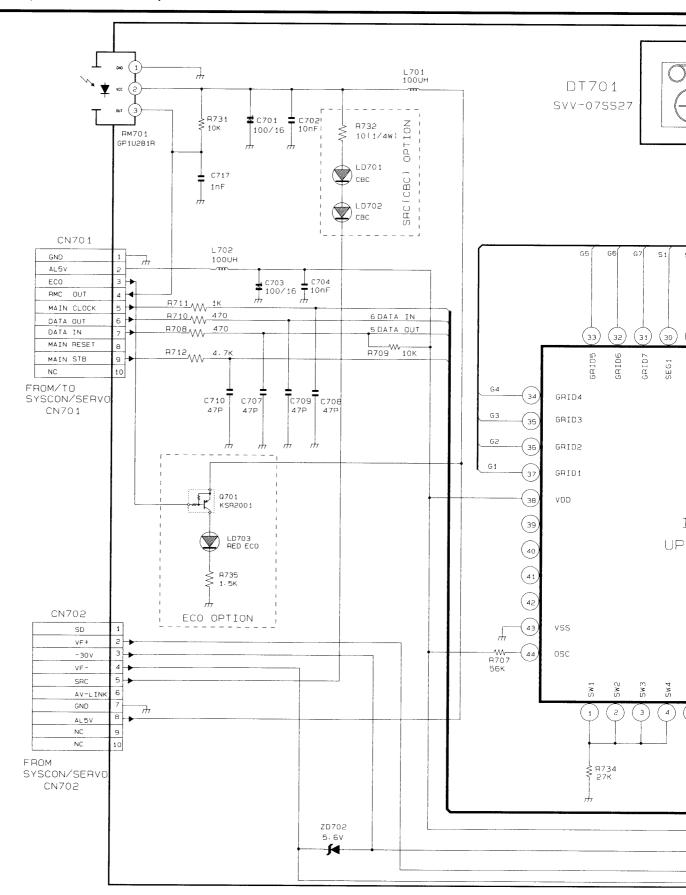


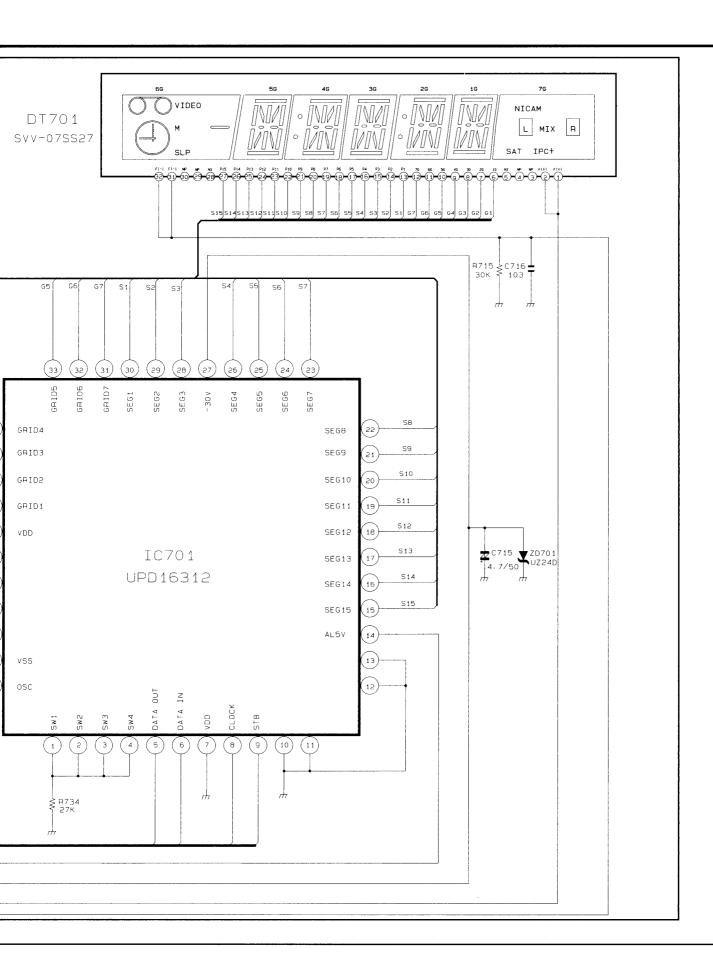




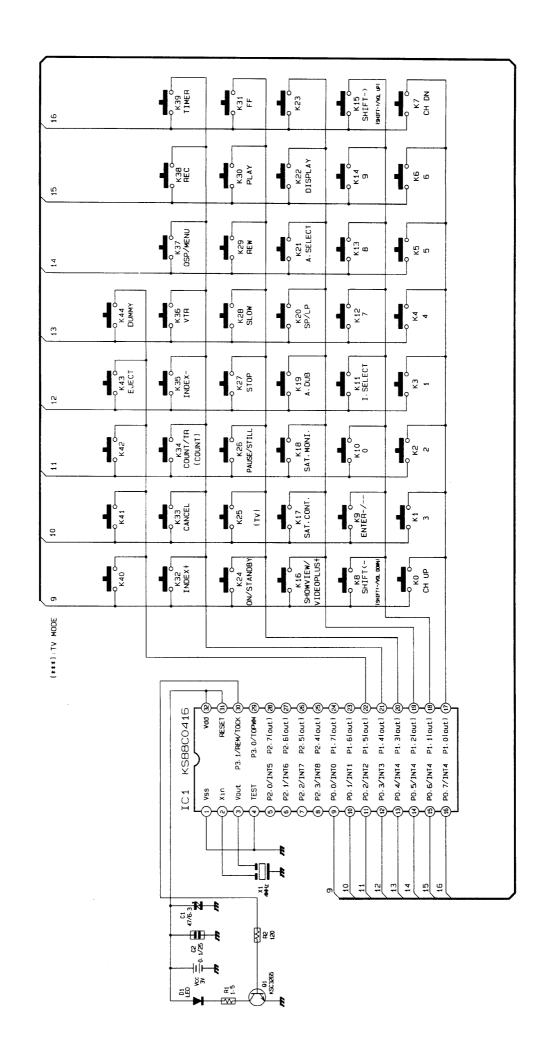


#### 10-15 VFD (Without AV-Link)





# 10-16 Remote-Control (Multi)



#### 10-16 Remote-Control (Multi)

